STR-DE235

SERVICE MANUAL

AEP Model
UK Model

SPECIFICATIONS

Amplifier section

Power output

Stereo mode (DIN 1 kHz, 4 ohms)
60 W + 60 W

Surround mode (DIN 1 kHz, 4 ohms)
Front: 60 W/ch
Centre: 60 W
(only in PRO LOGIC mode)
Rear:
(DIN 1 kHz, 8 ohms)
60 W/ch

Frequency response TV/LD, CD, MD/TAPE, VIDEO:
10 Hz - 50 kHz ±1 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
CD, MD/TAPE, TV/LD, VIDEO	150 mV	50 kilohms	80 dB* (A, 150 mV)

* '78 IHF

Outputs
MD/TAPE REC OUT:
Voltage: 150 mV,
Impedance: 10 kilohms
VIDEO AUDIO OUT:
Voltage: 150 mV,
Impedance: 10 kilohms
MIX AUDIO OUT:
Voltage: 2 V
Impedance: 1 kilohms
PHONES: Accepts low and high impedance headphones

Muting Full mute

BASS BOOST +10 dB at 70 Hz

TONE ±8 dB at 100 Hz and 10 kHz

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108.0 MHz

Aerial terminals 75 ohms, unbalanced

Intermediate frequency 10.7 MHz

Sensitivity Mono: 18.3 dBf, 2.2 µV/75 ohms
Stereo: 38.3 dBf, 22.5 µV/75 ohms

Usable sensitivity 11.2 dBf, 1 µV /75 ohms (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz Mono: 0.3 %
Stereo: 0.5 %

Separation 45 dB at 1 kHz

Frequency response 30 Hz - 15 kHz $^{+0.5}_{-2}$ dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range 531 - 1602 kHz

Aerial Loop aerial

Intermediate frequency 450 kHz

Usable sensitivity 50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5 % (50 mV/m, 400 Hz)

Selectivity 35dB

– Continued on next page –

FM STEREO/FM-AM RECEIVER

SONY®

MICROFILM

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	230 V AC, 50/60 Hz
Power consumption	145 W
AC outlets	Switched 100 W max (AEP model)
Dimensions	430 x 144 x 306 mm
Mass (Approx.)	7.0 kg
Supplied accessories	FM wire aerial (1) AM loop aerial (1) Remote commander (remote) (1) Size AA (R6) batteries (2) Scart adaptor (1)

Specifications indicated are measured at 230 VAC, 50 Hz.

Design and specifications are subject to change without notice.

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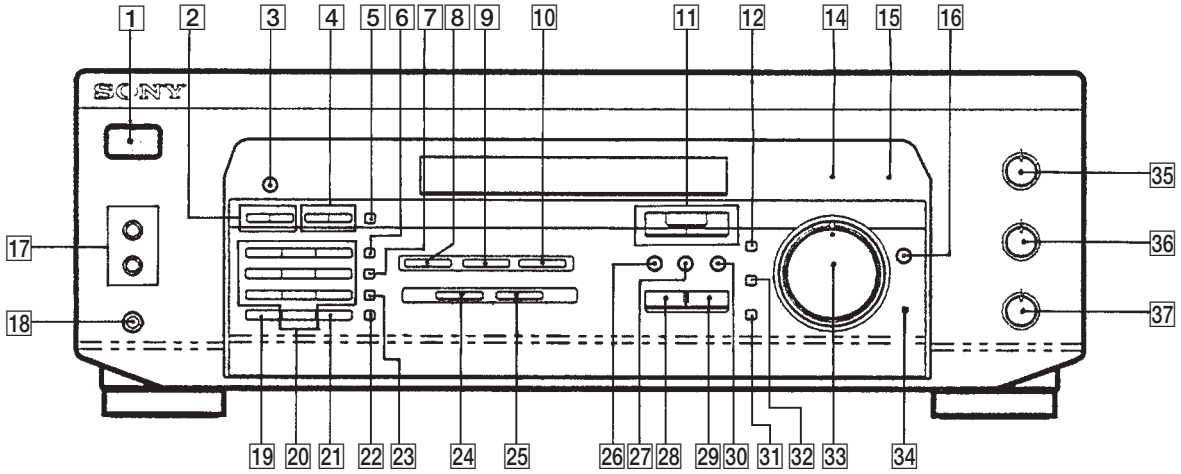
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

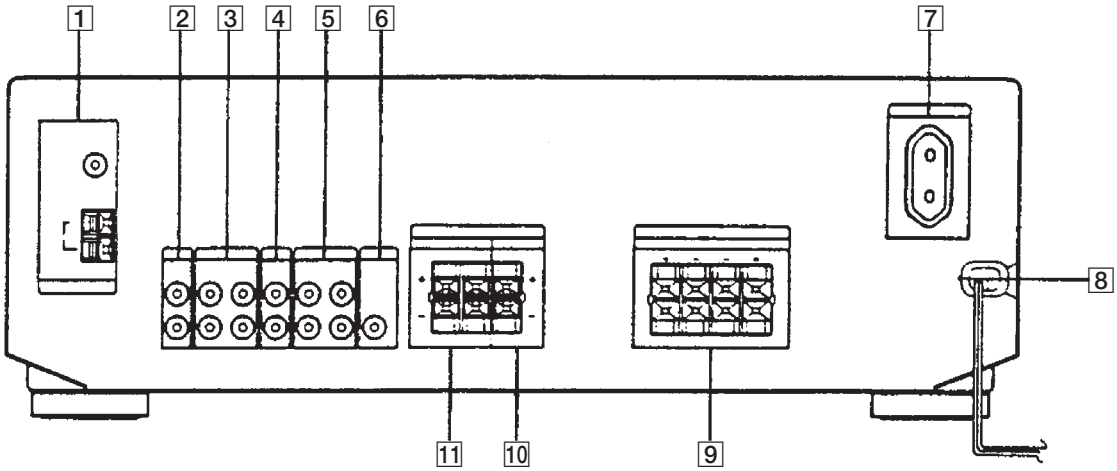
Location of controls

- **Front view**



1 I/⏻ button
2 TUNING +, – buttons
3 DISPLAY button
4 PRESET/PTY SELECT +, – buttons
5 RDS PTYbutton
6 RDS EON button
7 FM/AM button
8 VIDEO button
9 TV/LD button
10 MD/TAPE button
11 SOUND FIELD + MODE, ON/OFF, – MODE buttons
12 SET UP button and indicator
14 CINEMA indicator
15 MUSIC indicator
16 BASS BOOST button and indicator
17 SPEAKERS A, B ON/OFF buttons
18 PHONES jack
19 SHIFT button
20 Numeric buttons
21 DIRECT button
22 MEMORY button
23 FM MODE button
24 CD button
25 TUNER button
26 EFFECT/DELAY button and indicator
27 CENTER button and indicator
28 – button
29 + button
30 REAR button and indicator
31 ENTER button
32 NAME button and indicator
33 VOLUME control
34 MUTING button and indicator
35 TREBLE control
36 BASS control
37 BALANCE control

- **Rear view**

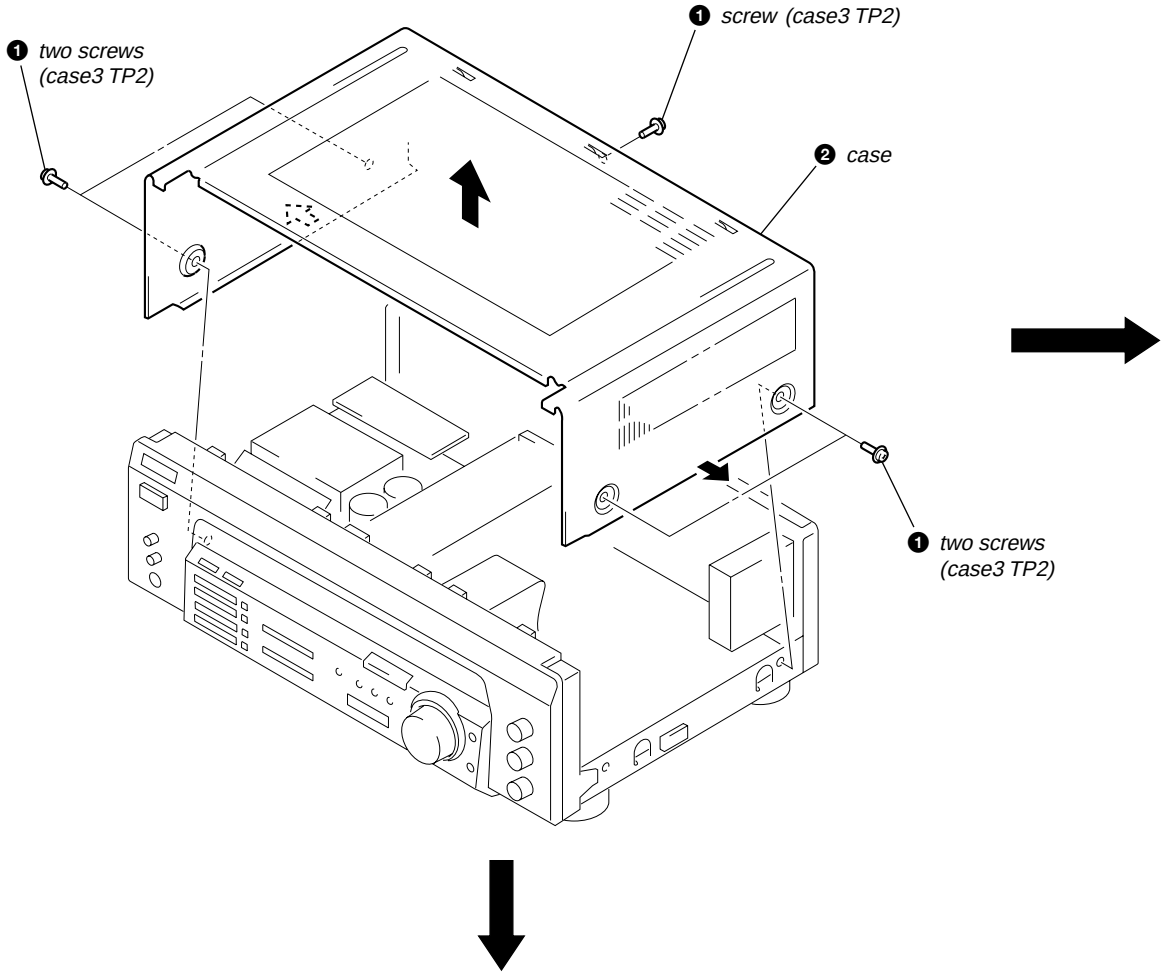


1 ANTENNA (AM/FM)
2 CD
3 MD/TAPE
4 TV/LD
5 VIDEO
6 MIX (AUDIO OUT)
7 SWITCHED AC OUTLET (AEP model)
8 Mains lead
9 SPEAKERS FRONT (A/B)
10 SPEAKERS CENTER
11 SPEAKERS REAR

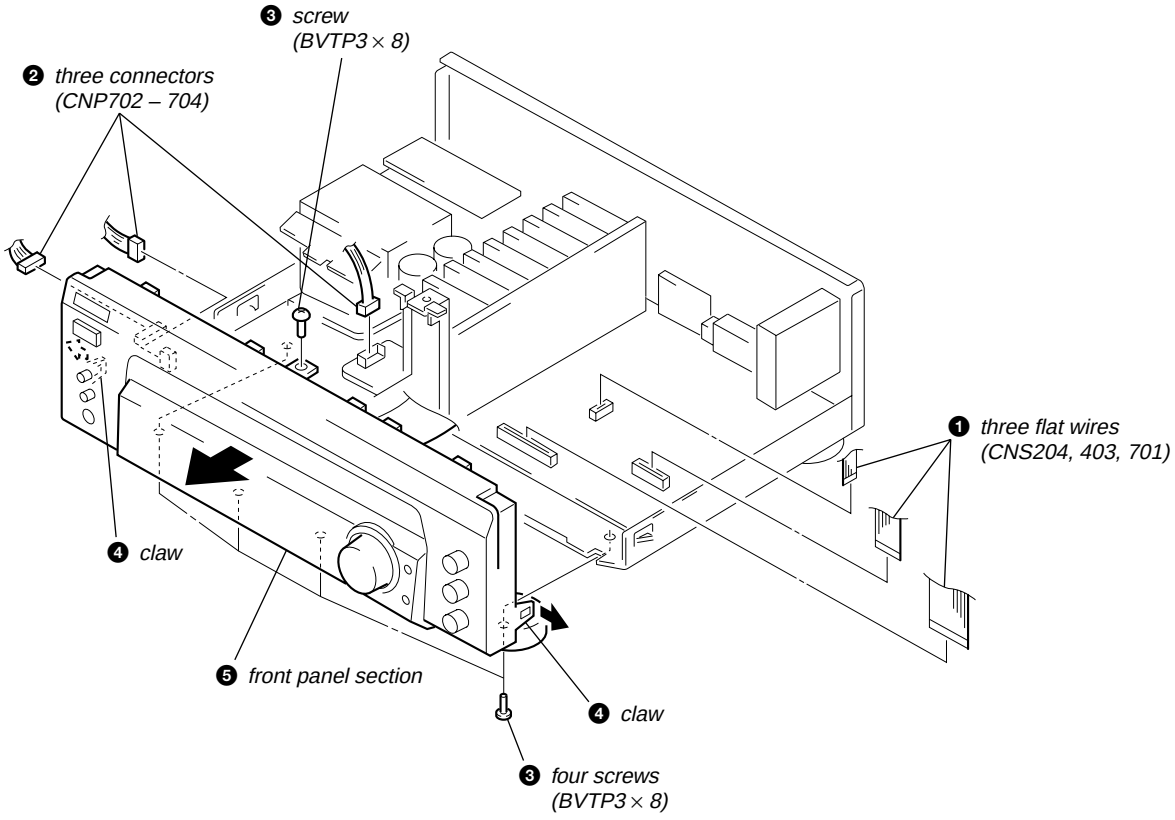
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

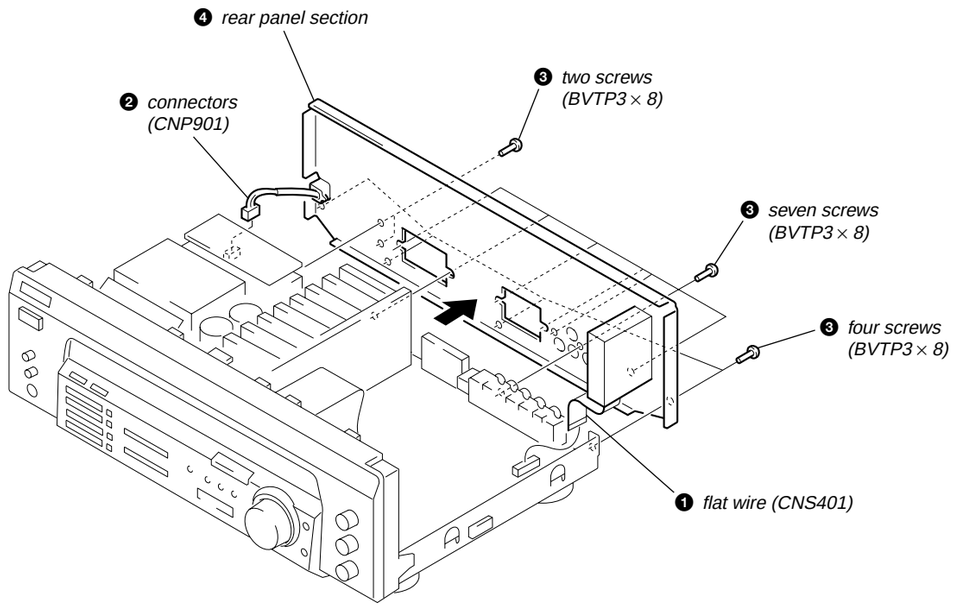
CASE



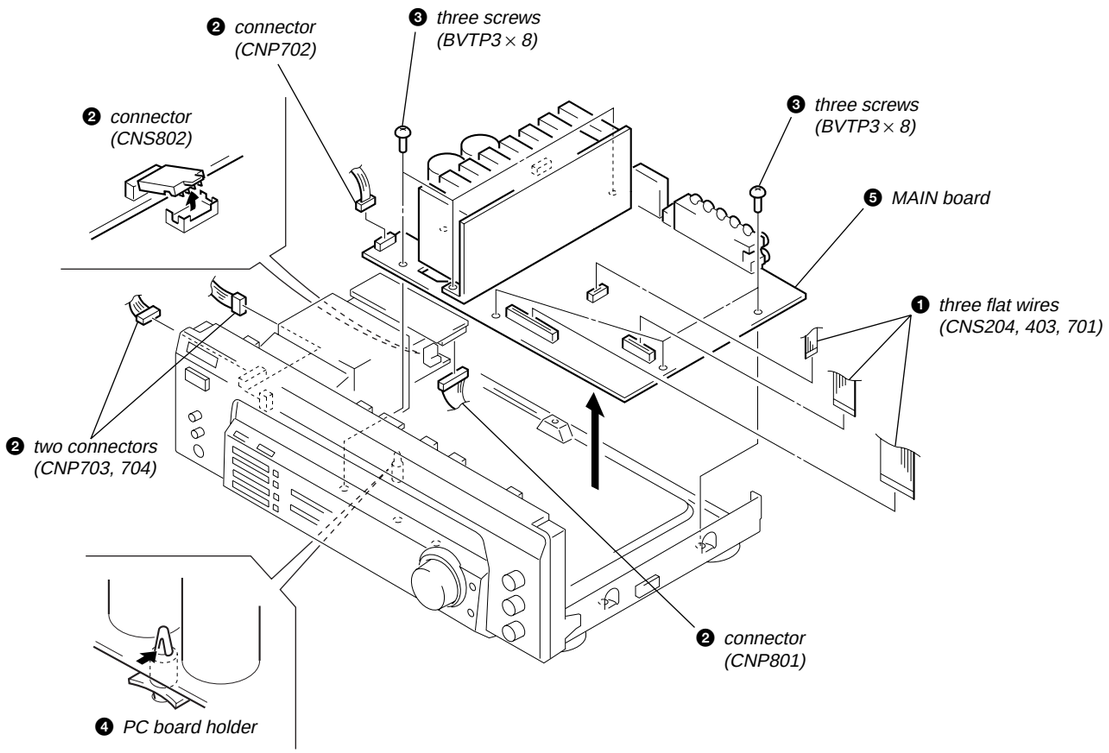
FRONT PANEL SECTION



REAR PAENL SECTION


❹ rear panel section
❸ two screws (BVTP3 × 8)
❷ connectors (CNP901)
❸ seven screws (BVTP3 × 8)
❸ four screws (BVTP3 × 8)
❶ flat wire (CNS401)

MAIN BOARD


❷ connector (CNP702)
❸ three screws (BVTP3 × 8)
❷ connector (CNS802)
❸ three screws (BVTP3 × 8)
❺ MAIN board
❶ three flat wires (CNS204, 403, 701)
❷ two connectors (CNP703, 704)
❷ connector (CNP801)
❹ PC board holder

SECTION 3
TEST MODE

Initialization Mode
All preset contents are cleared when this mode is activated. When returning the unit to the customer after completing repairs, perform this operation to clear the unit.

Procedure:
1. While pressing two buttons of TUNER and MD/TAPE simultaneously, press the I/⏻ button to turn the power ON.
2. The message “INITIAL” appears and initialization is performed.

Fluorescent Indicator Tube Test Mode
All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:
1. While pressing two buttons of TV/LD and DIRECT simultaneously, press the I/⏻ button to turn the power ON.
2. All segments turn on at the same time, then each segment and LED turns on one after another.
3. The message “FINISH” appears when this test is complete.

AUTO-BETICAL Check Mode
To auto-scanning and memories of RDS station.

Procedure:
1. While pressing the MEMORY button, press the I/⏻ button to turn the power ON.
2. The message “AUTO BET” appears and each function is selected one after another.

Software Version Display Mode
The software version is displayed.

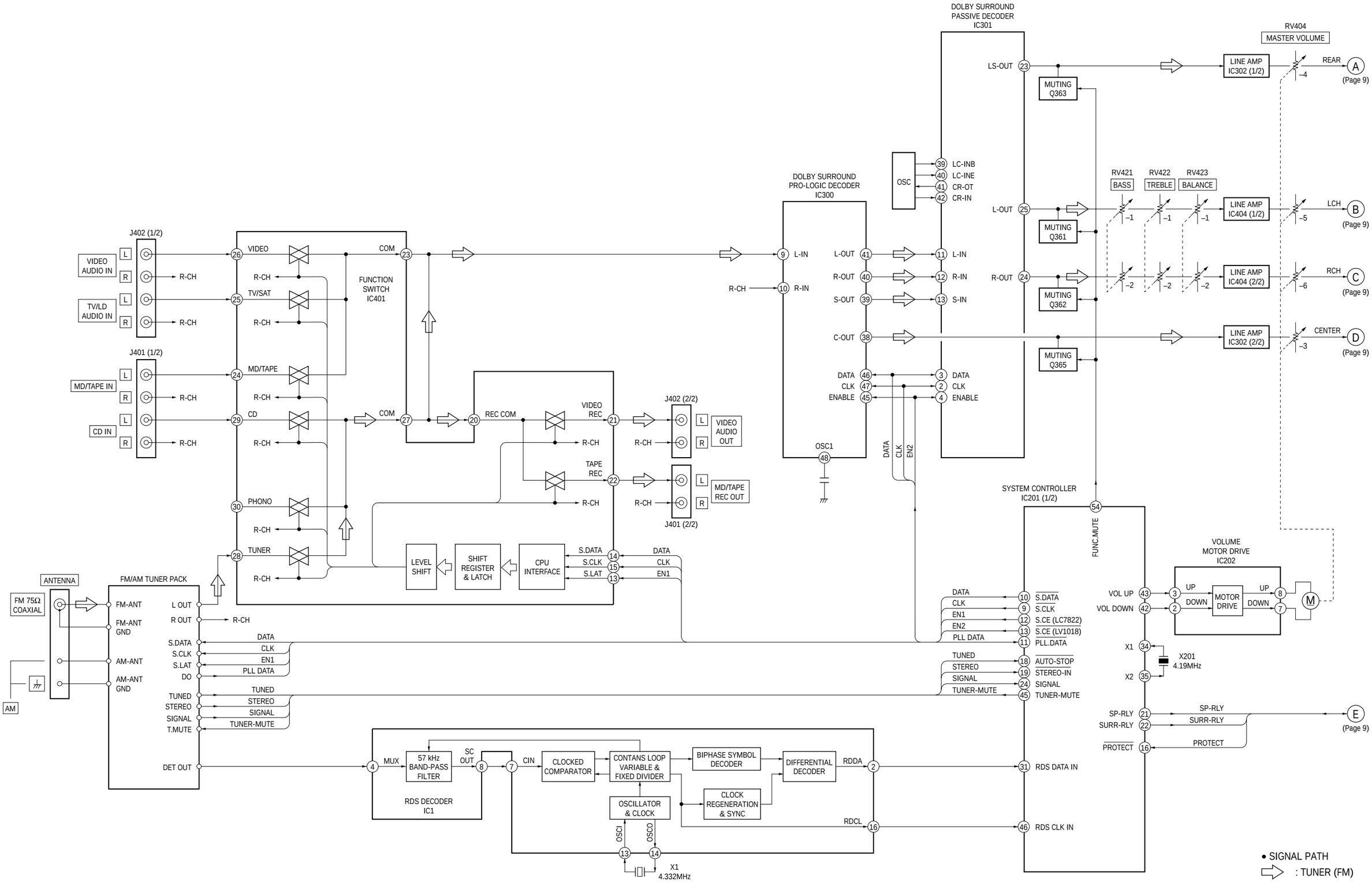
Procedure:
1. While pressing two the buttons of MD/TAPE and DIRECT simultaneously, press the I/⏻ button to turn the power ON.
2. The software version is displayed.

SOUND FIELD Setting Clear Mode
All SOUND FIELD setting are cleared.

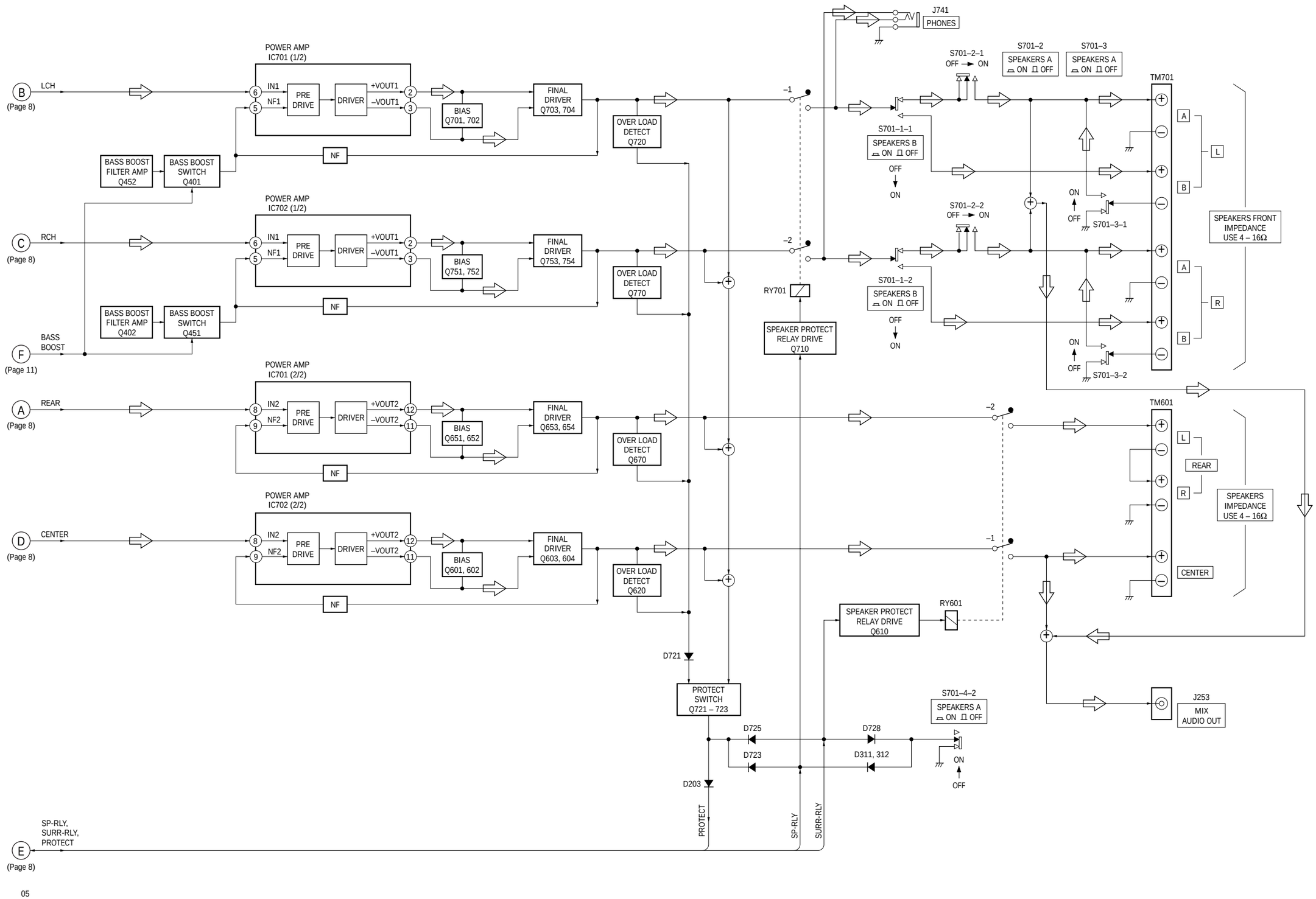
Procedure:
1. While pressing the SOUND FIELD ON/OFF button, press the I/⏻ button to turn the power ON.
2. The message “SURR CLR” appears and all SOUND FIELD setting are cleared.

SECTION 4
DIAGRAMS

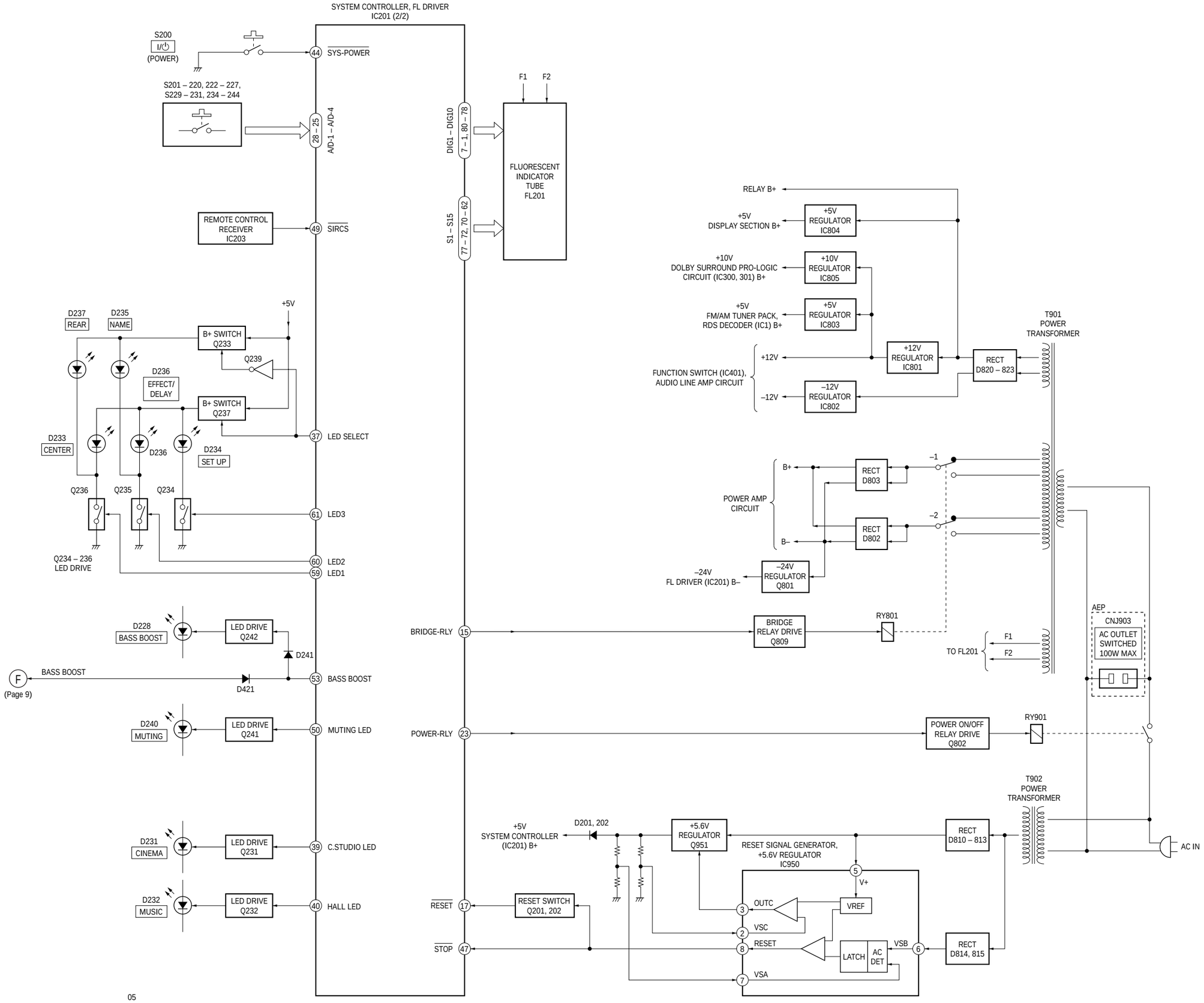
4-1. BLOCK DIAGRAM – MAIN Section (1/2) –



4-2. BLOCK DIAGRAM – MAIN Section (2/2) –



4-3. BLOCK DIAGRAM – DISPLAY/POWER SUPPLY Section –



05

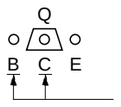
4-4. NOTES FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

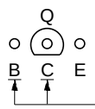
- ○——— : parts extracted from the component side.
- ▒▒▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

- Indication of transistor.



These are omitted.



These are omitted.

Note on Schematic Diagram:

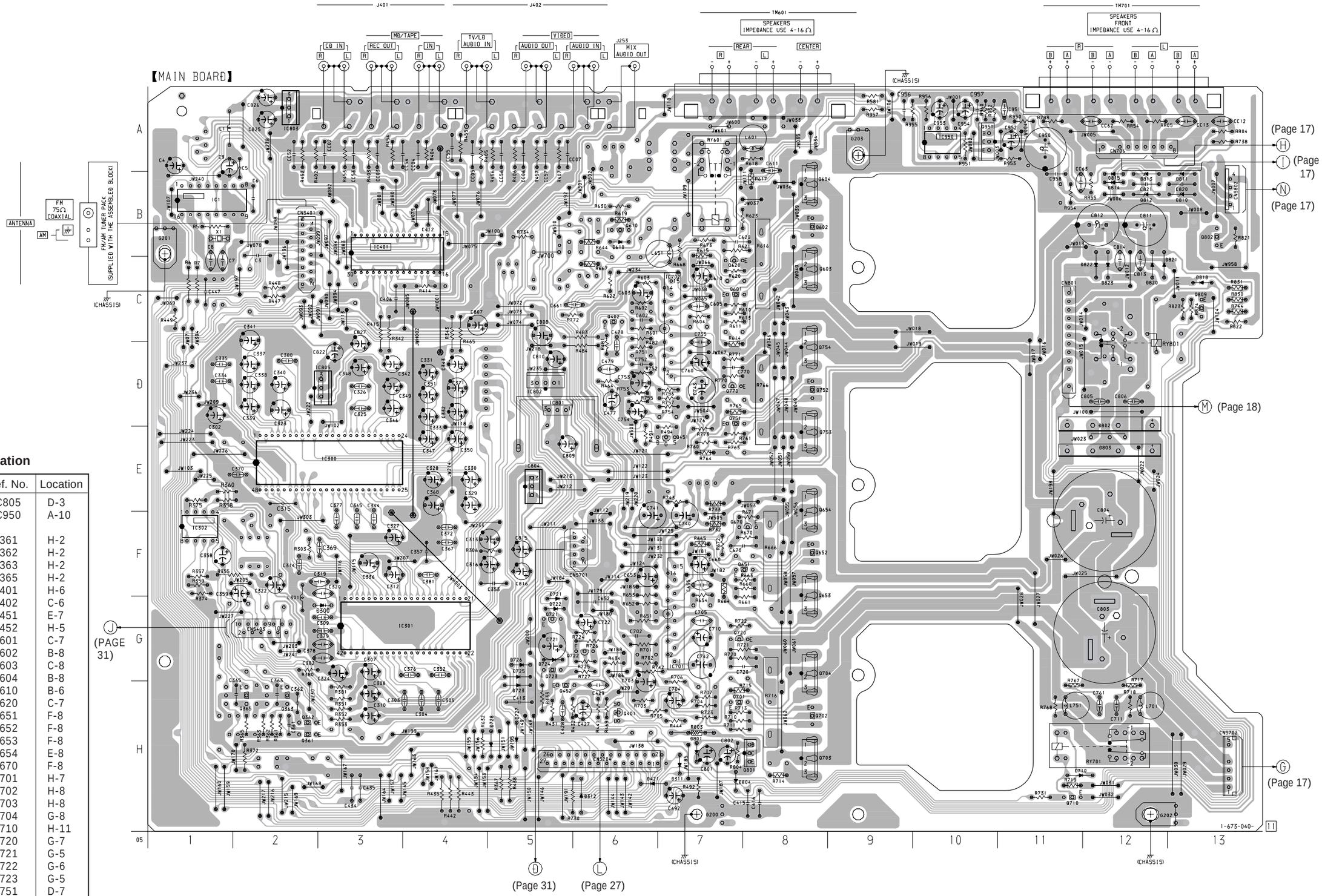
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B+ : B+ Line.
- B− : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER (FM)
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : TUNER (FM)

- **Circuit Boards Location**

4-5. PRINTED WIRING BOARD – MAIN Board– • See page 14 for Circuit Boards Location.



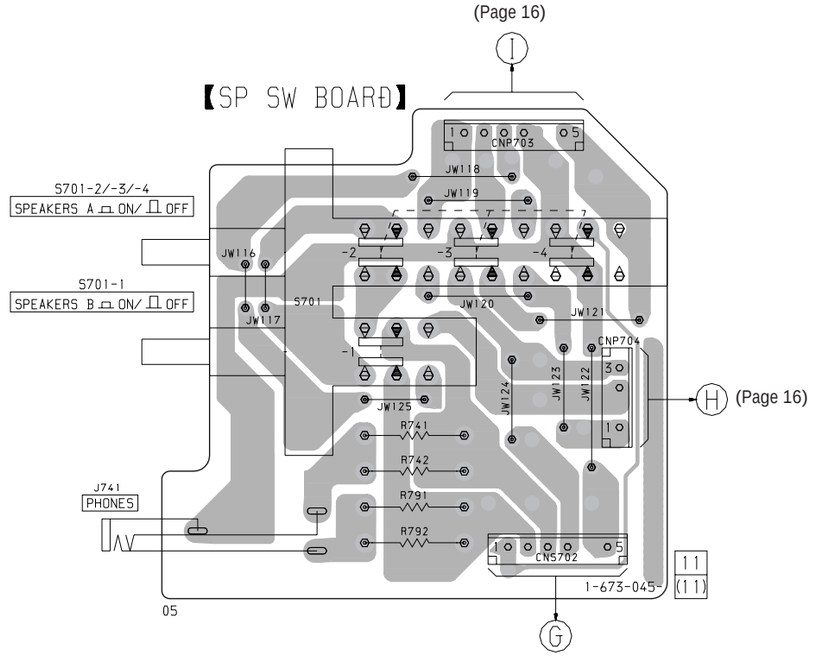
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D300	G-3	IC805	D-3
D311	H-7	IC950	A-10
D312	H-6		
D421	H-6	Q361	H-2
D610	B-6	Q362	H-2
D710	H-11	Q363	H-2
D721	G-5	Q365	H-2
D722	G-5	Q401	H-6
D723	H-5	Q402	C-6
D724	G-5	Q451	E-7
D725	G-5	Q452	H-5
D726	G-5	Q601	C-7
D727	H-5	Q602	B-8
D728	H-5	Q603	C-8
D801	H-7	Q604	B-8
D802	D-12	Q610	B-6
D803	E-12	Q620	C-7
D804	H-7	Q651	F-8
D810	B-13	Q652	F-8
D811	B-13	Q653	F-8
D812	B-12	Q654	E-8
D813	B-12	Q670	F-8
D814	B-12	Q701	H-7
D815	B-12	Q702	H-8
D818	C-13	Q703	H-8
D820	C-12	Q704	G-8
D821	C-12	Q710	H-11
D822	C-12	Q720	G-7
D823	C-12	Q721	G-5
		Q722	G-6
IC1	B-1	Q723	G-5
IC300	E-3	Q751	D-7
IC301	G-4	Q752	D-8
IC302	F-1	Q753	E-8
IC401	B-3	Q754	D-8
IC701	G-7	Q770	D-7
IC702	C-7	Q801	H-8
IC801	D-5	Q802	B-13
IC802	D-5	Q809	C-13
IC803	A-2	Q951	A-10
IC804	E-5		

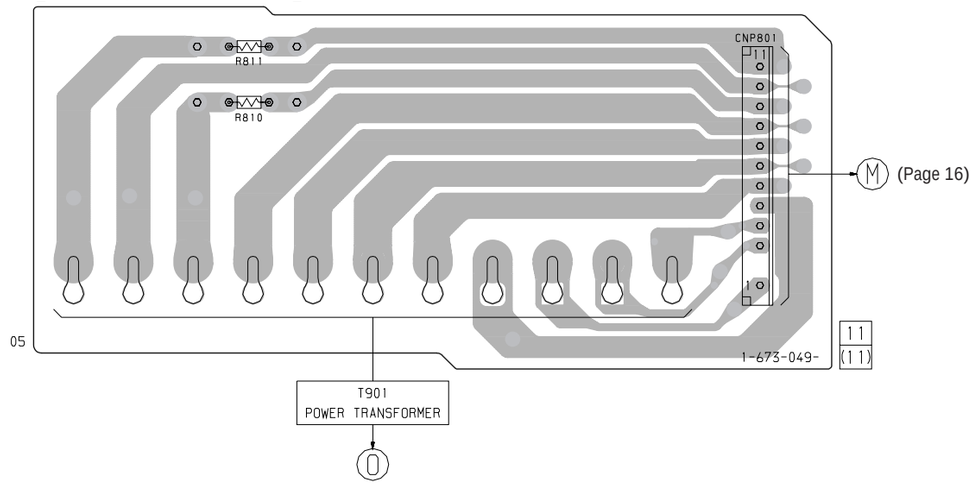
4-6. PRINTED WIRING BOARDS – SP SW Board/SECONDARY Board/STANDBY Board/PRIMARY Board –

• See page 14 for Circuit Boards Location.

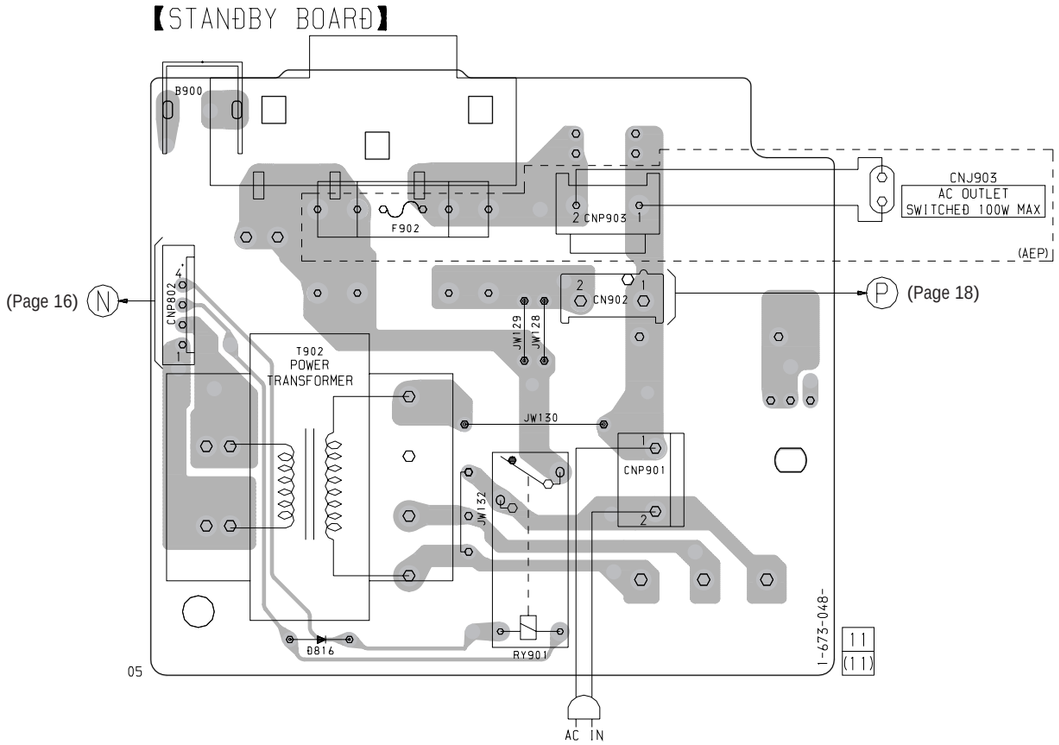
【SP SW BOARD】



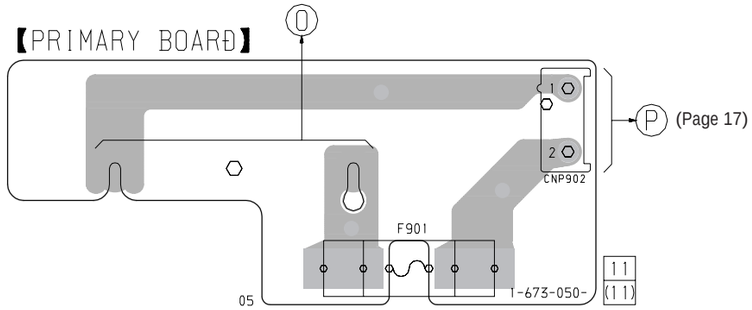
【SECONDARY BOARD】



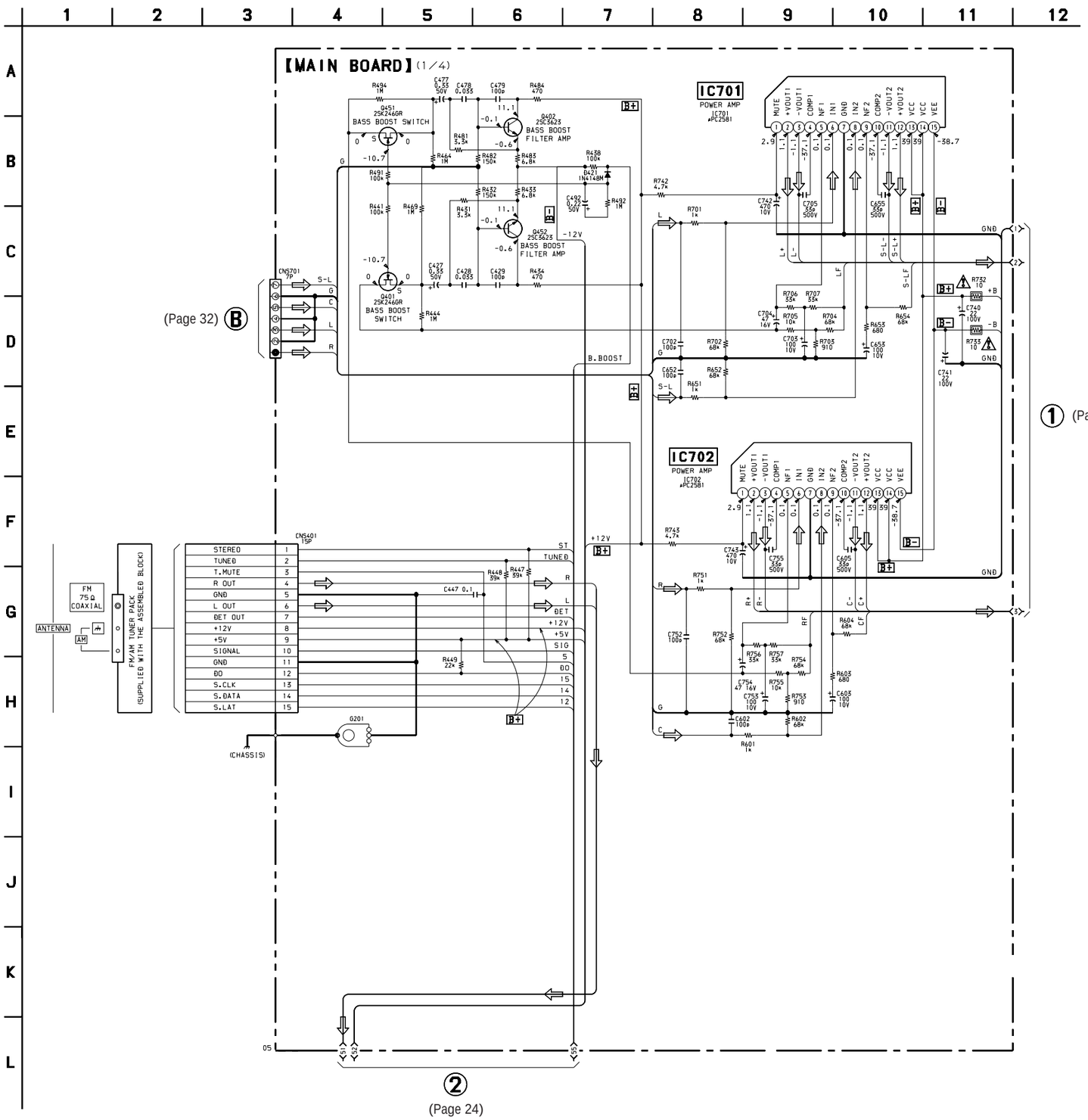
【STANDBY BOARD】



【PRIMARY BOARD】



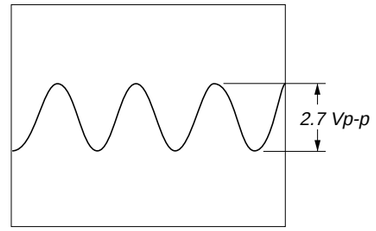
4-7. SCHEMATIC DIAGRAM – MAIN Board (1/4) – • See page 34 for IC Block Diagram.



• **Waveforms**

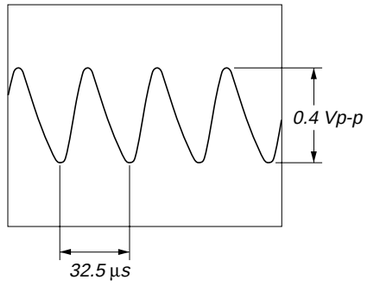
– MAIN Board –

❶ IC1 ⑬ (OSCI)



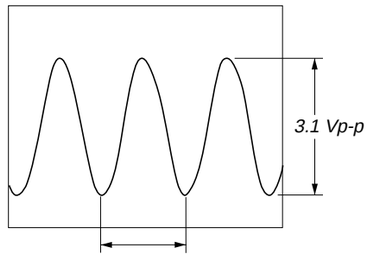
4.332 MHz

❷ IC300 ㊽ (OSC1) (Change DOLBY Mode)



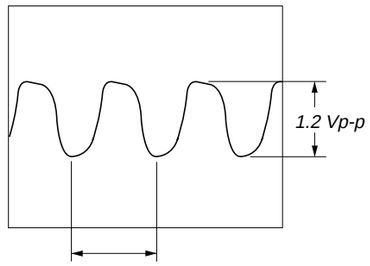
32.5 µs

❸ IC301 ㊵ (LC-INE)



125 ns

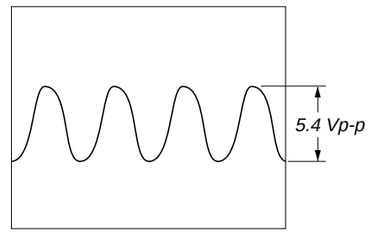
❹ IC301 ㊶ (CR-OT)



122 ns

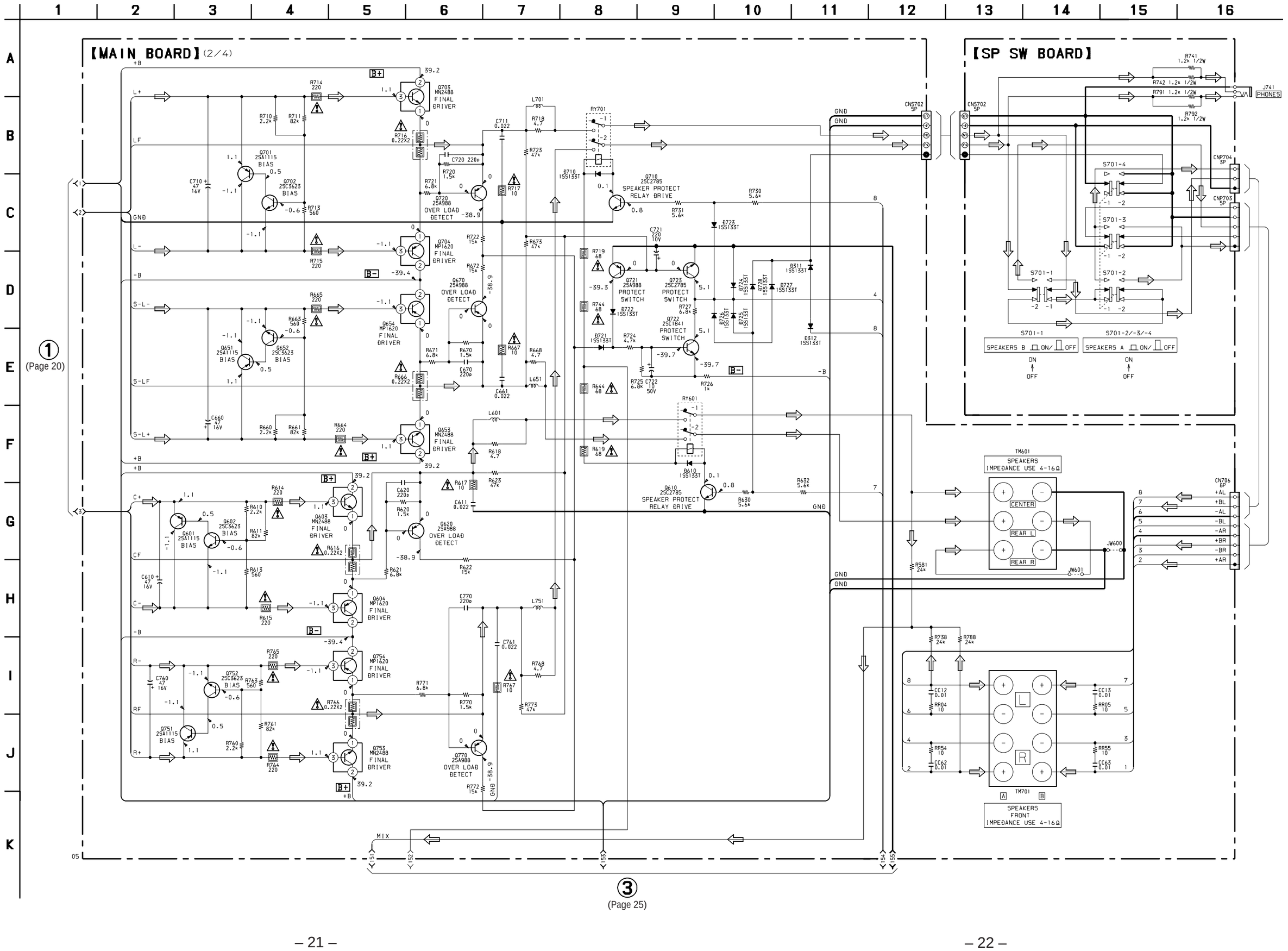
– DISPLAY Board –

❶ IC201 ㉟ (X2)



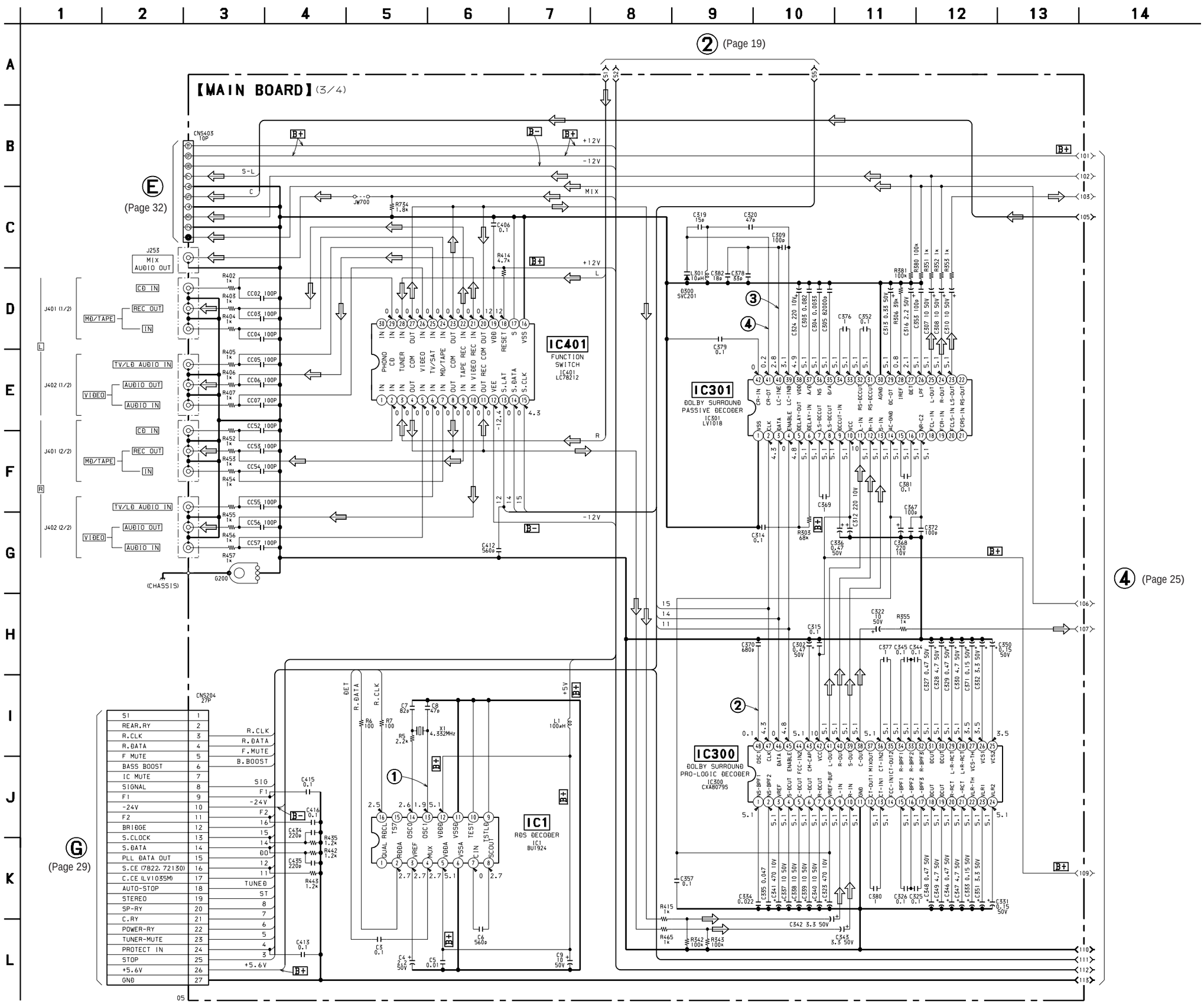
4.19 MHz

4-8. SCHEMATIC DIAGRAM – MAIN Board (2/4)/SP SW Board –



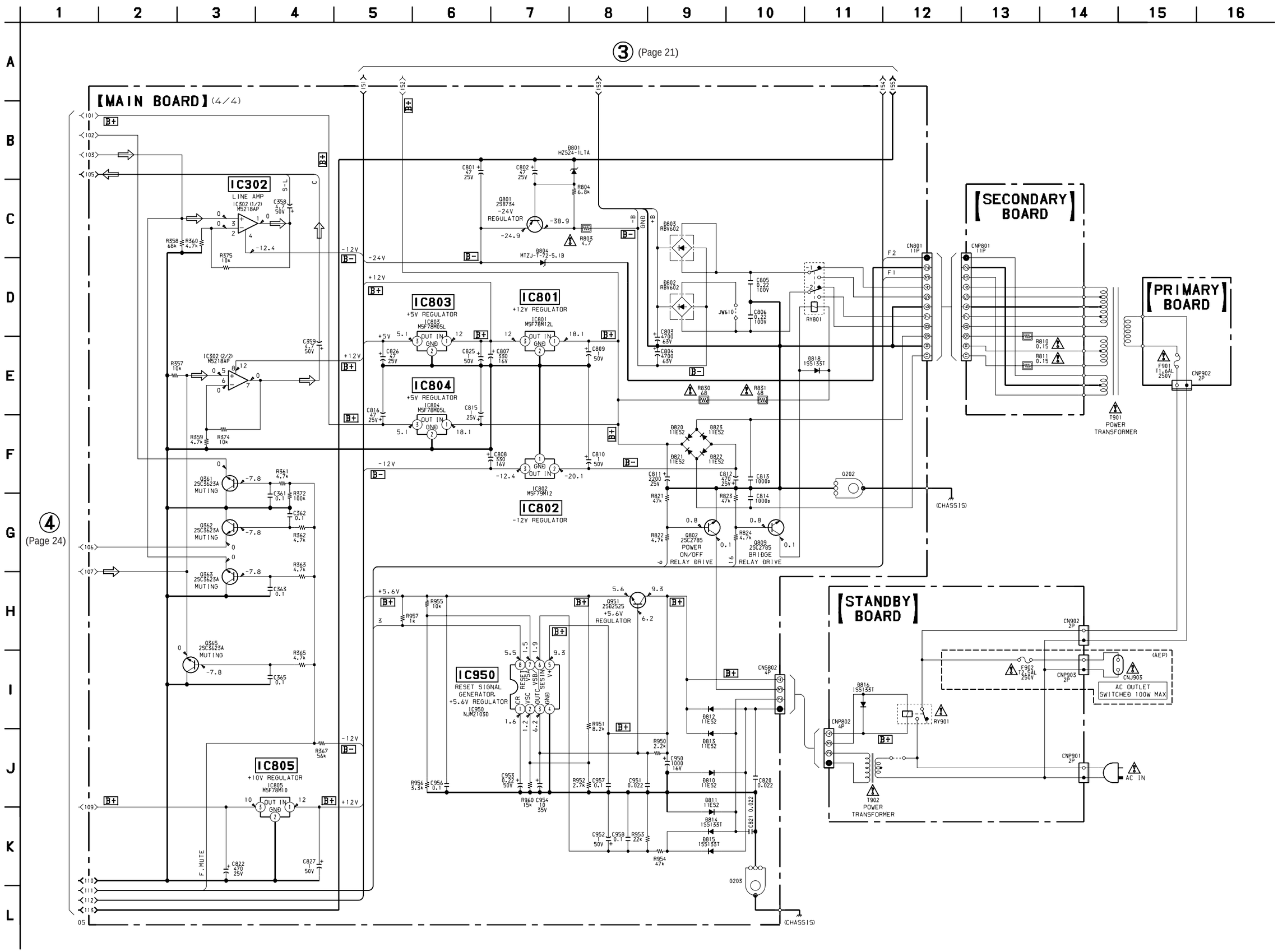
4-9. SCHEMATIC DIAGRAM – MAIN Board (3/4) –

• See page 20 for Waveforms. • See page 33 for IC Block Diagrams.

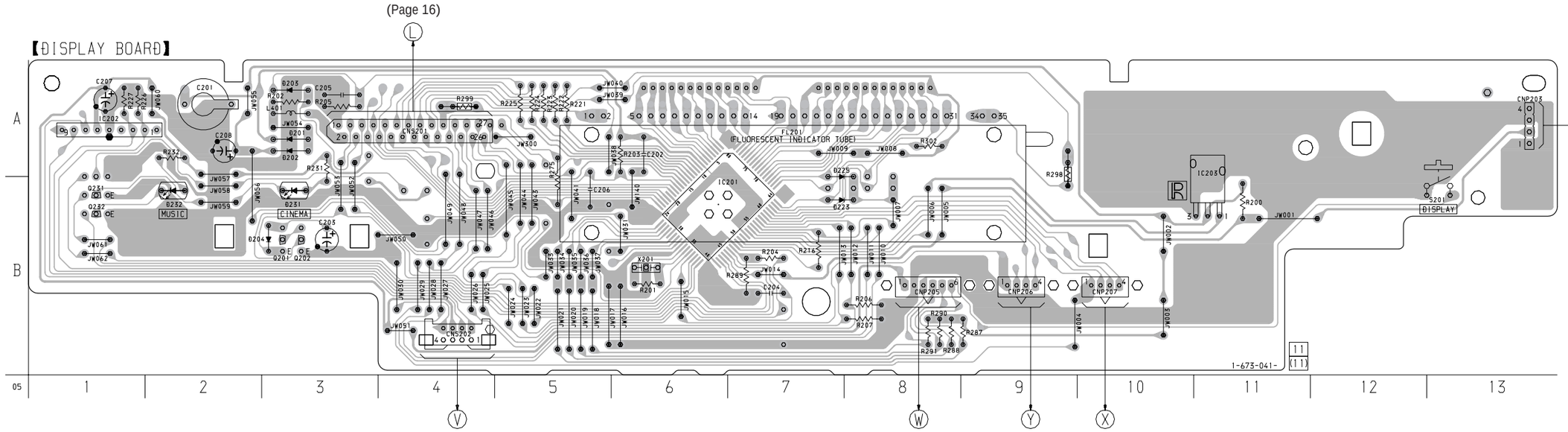


4-10. SCHEMATIC DIAGRAM – MAIN Board (4/4)/SECONDARY Board/STANDBY Board/PRIMARY Board –

• See page 35 for IC Block Diagram.

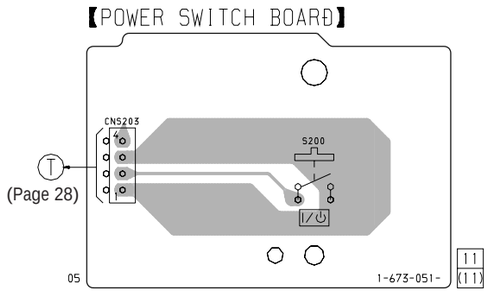


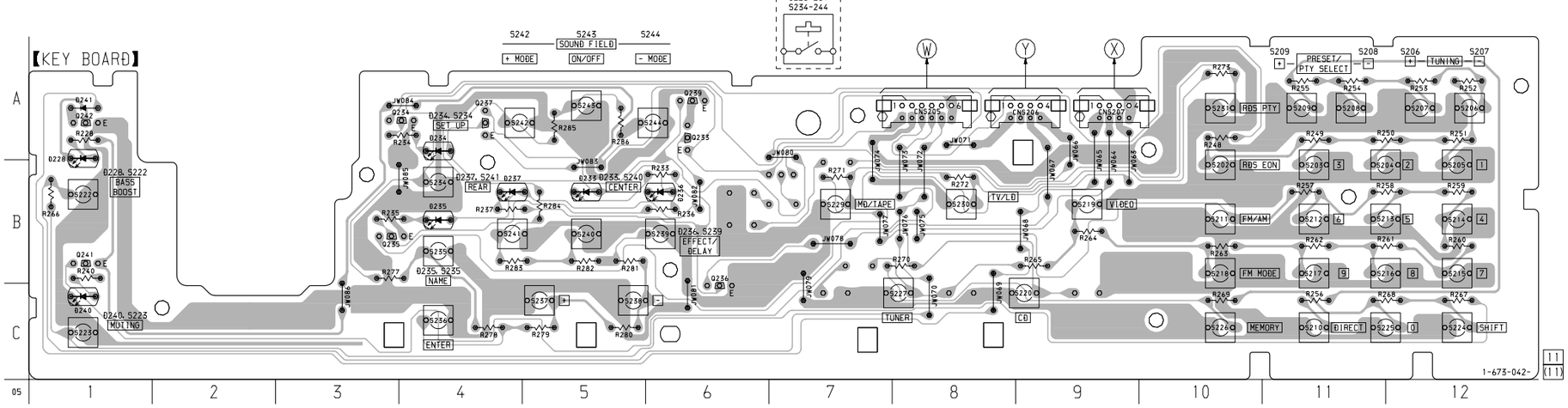
4-11. PRINTED WIRING BOARDS – PANEL Section – • See page 14 for Circuit Boards Location.



- **Semiconductor Location (DISPLAY Board)**

Ref. No.	Location
D201	A-3
D202	A-3
D203	A-3
D204	B-3
D223	B-7
D225	A-7
D231	B-3
D232	B-2
IC201	B-6
IC202	A-1
IC203	B-11
Q201	B-3
Q202	B-3
Q231	B-1
Q232	B-1

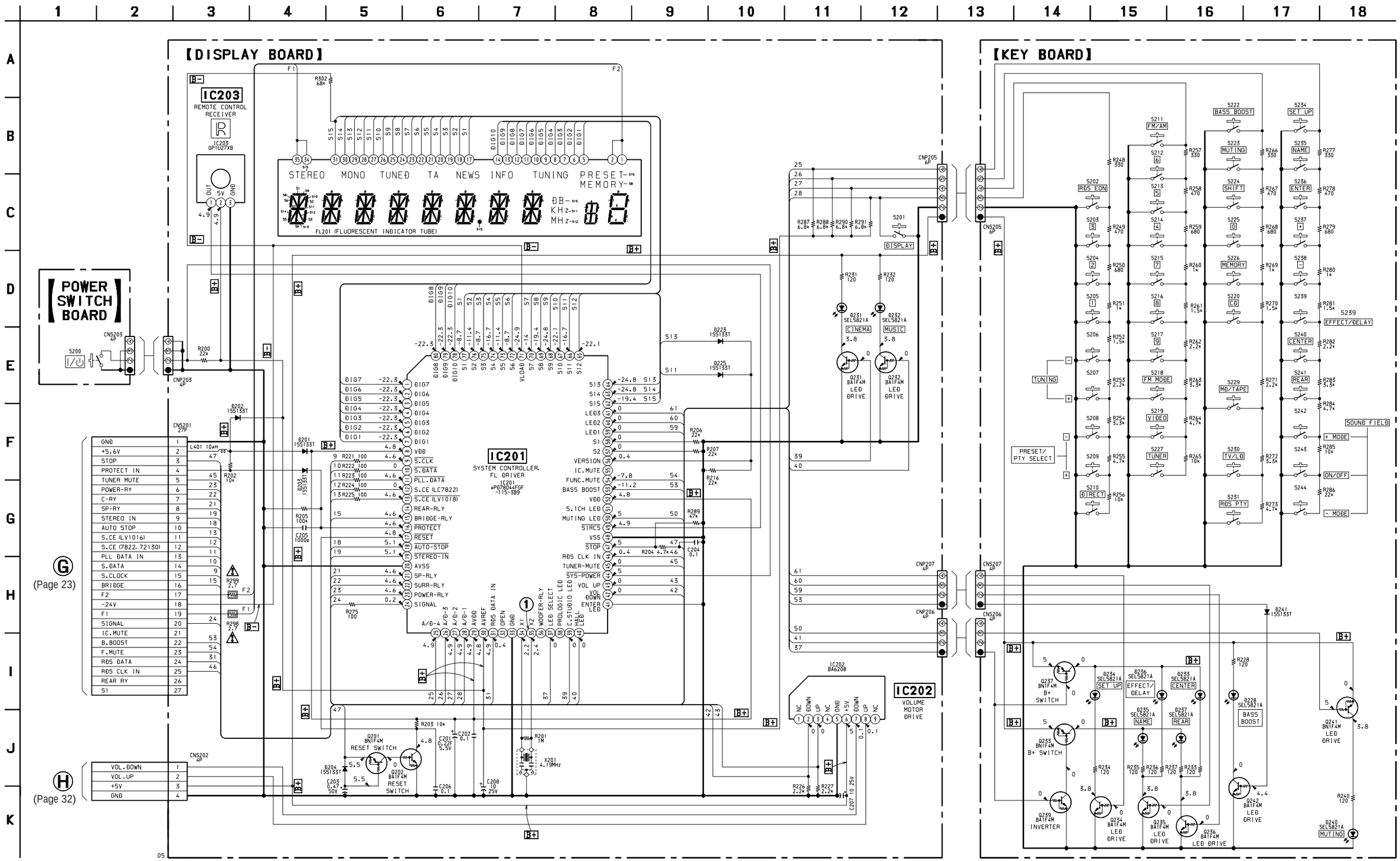




- **Semiconductor Location (KEY Board)**

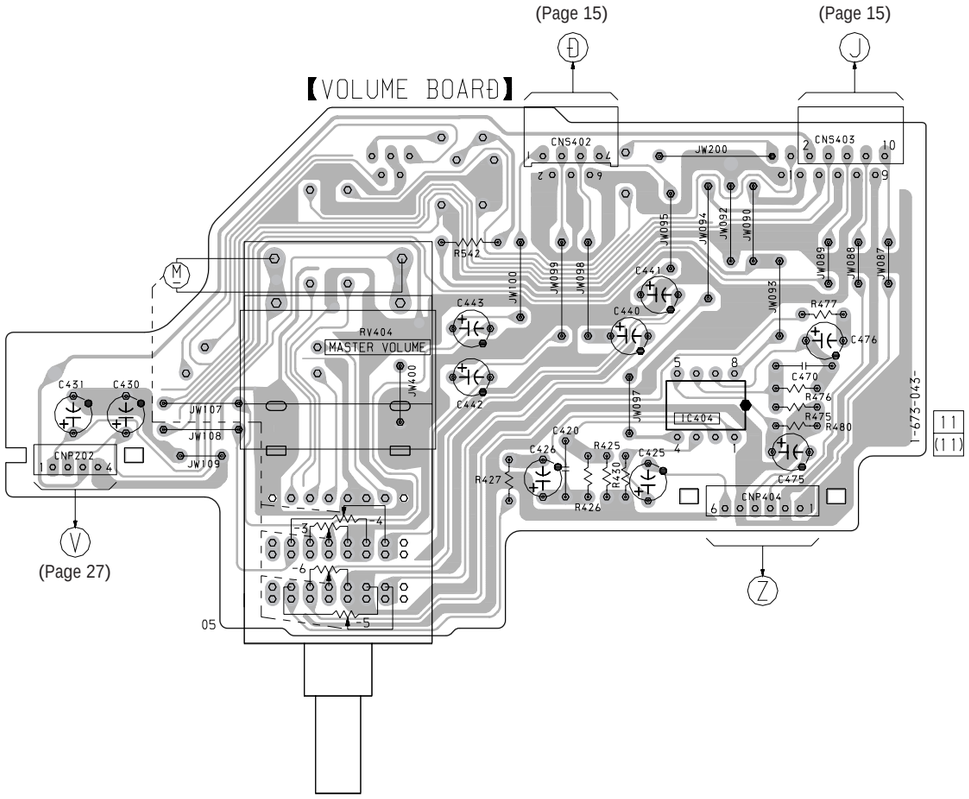
Ref. No.	Location	Ref. No.	Location
D228	A-1	Q233	A-6
D233	B-5	Q234	A-4
D234	A-4	Q235	B-3
D235	B-4	Q236	C-6
D236	B-6	Q237	A-4
D237	B-4	Q239	A-6
D240	C-1	Q241	B-1
D241	A-1	Q242	A-1

4-12. SCHEMATIC DIAGRAM – PANEL Section – • See page 20 for Waveform. • See page 35 for IC Block Diagram.



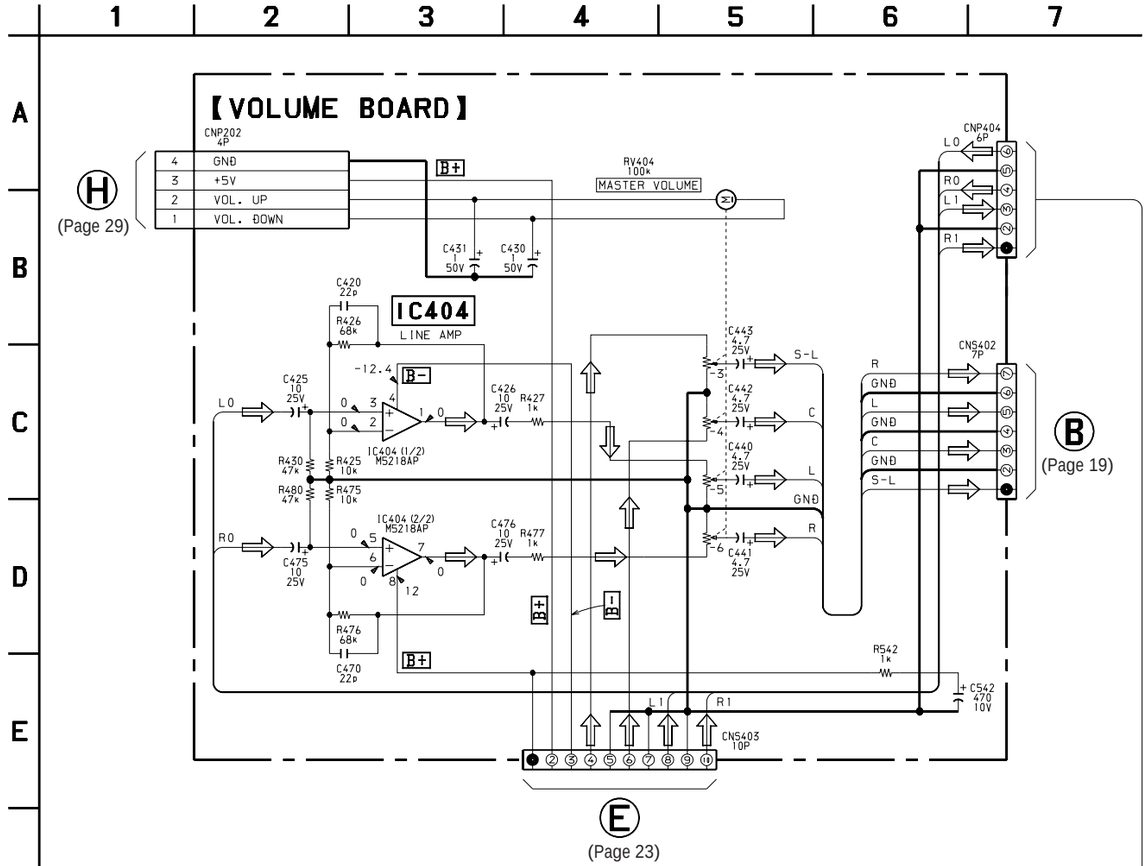
4-13. PRINTED WIRING BOARDS – VOLUME Board/TONE Board –

• See page 14 for Circuit Boards Location.



– 31 –

4-14. SCHEMATIC DIAGRAM – VOLUME Board/TONE Board –

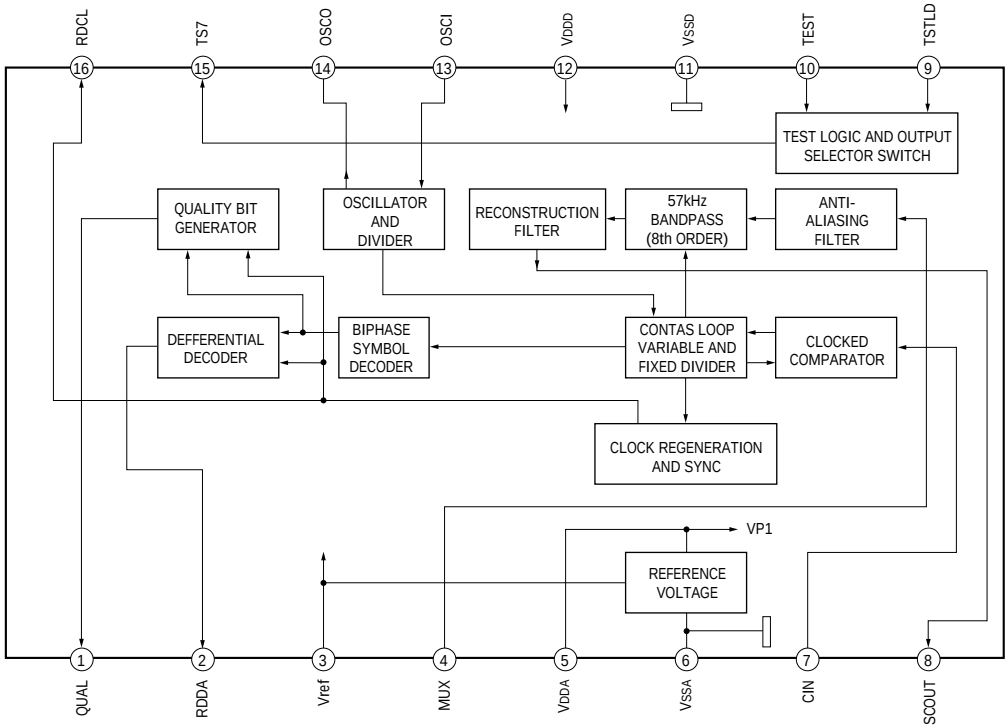


– 32 –

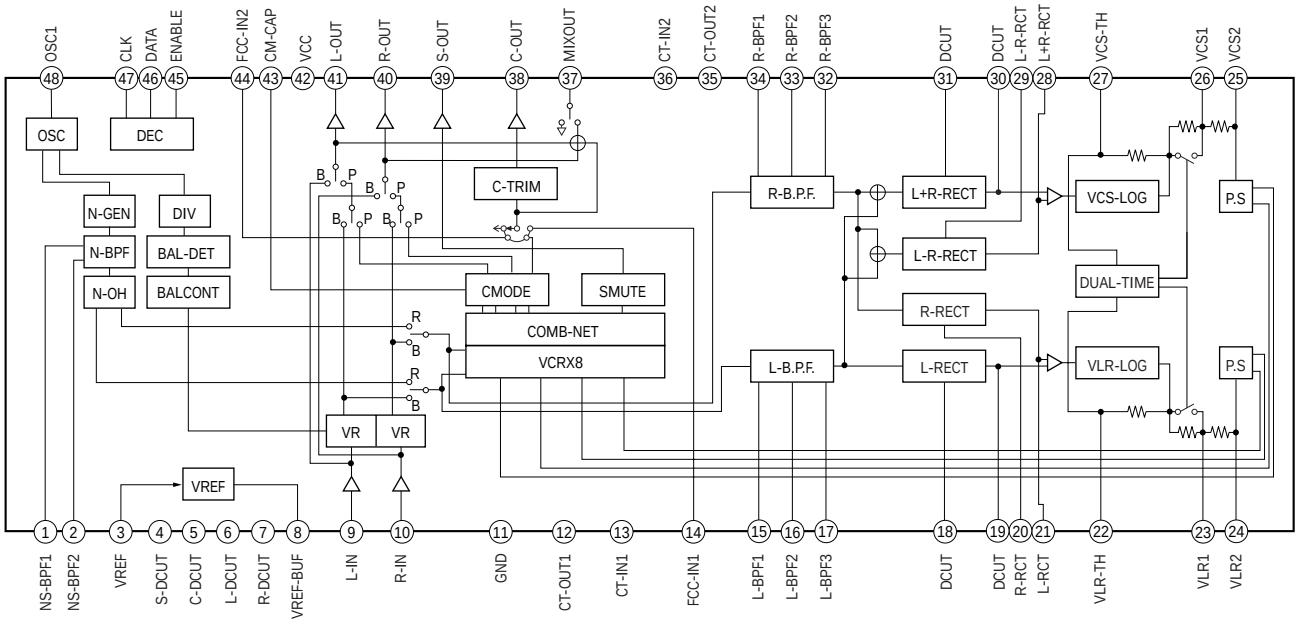
• **IC Block Diagrams**

– MAIN BOARD –

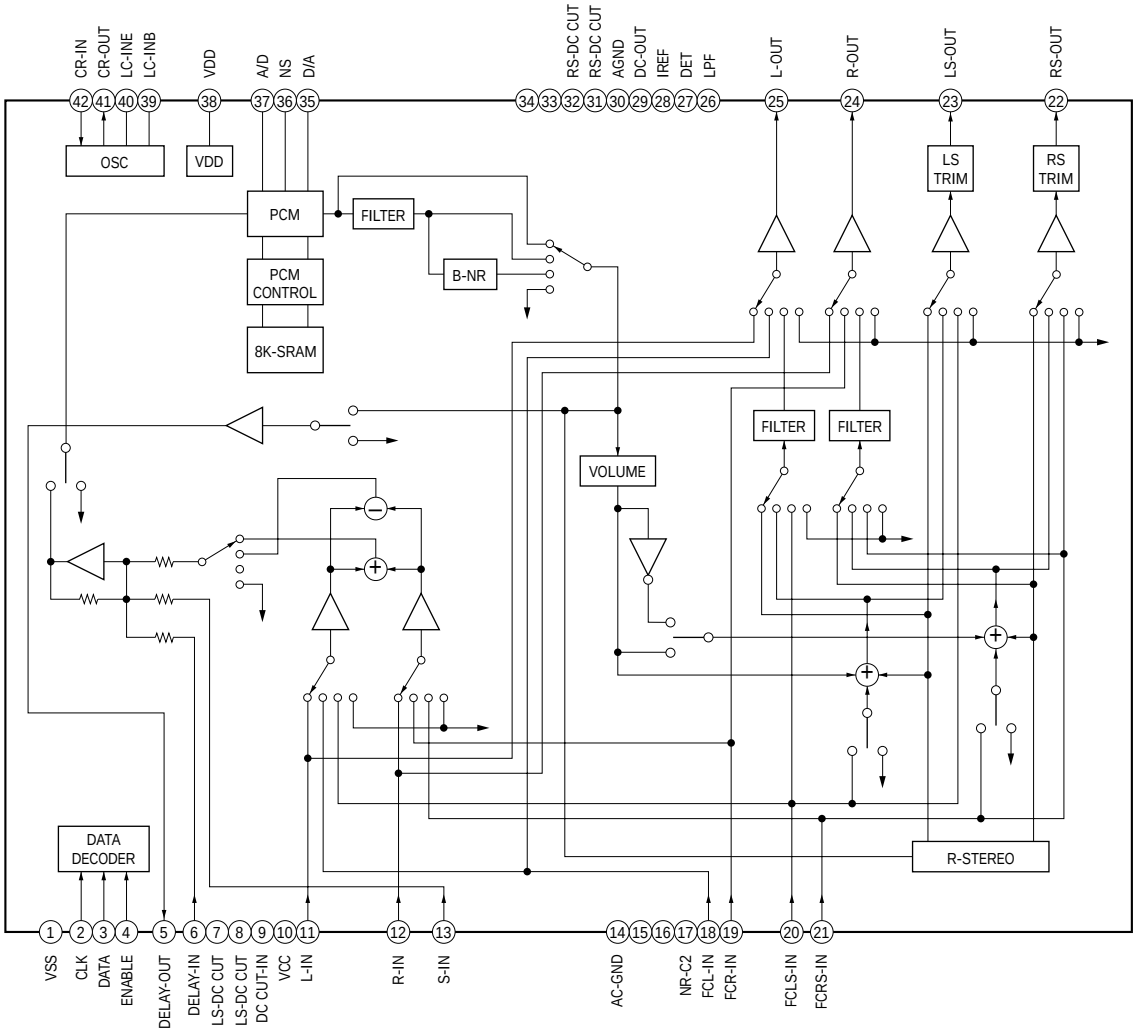
IC1 BU1924



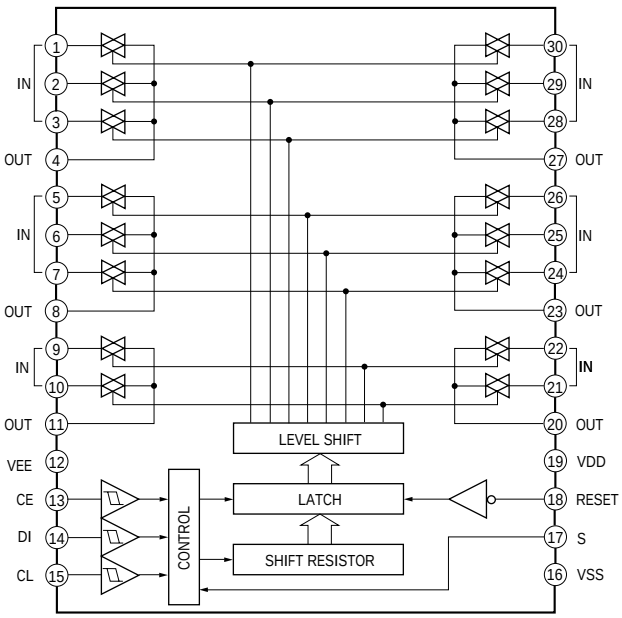
IC300 CXA8079S



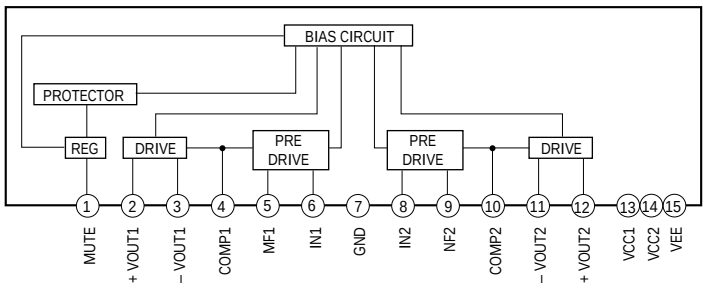
IC301 LV1018



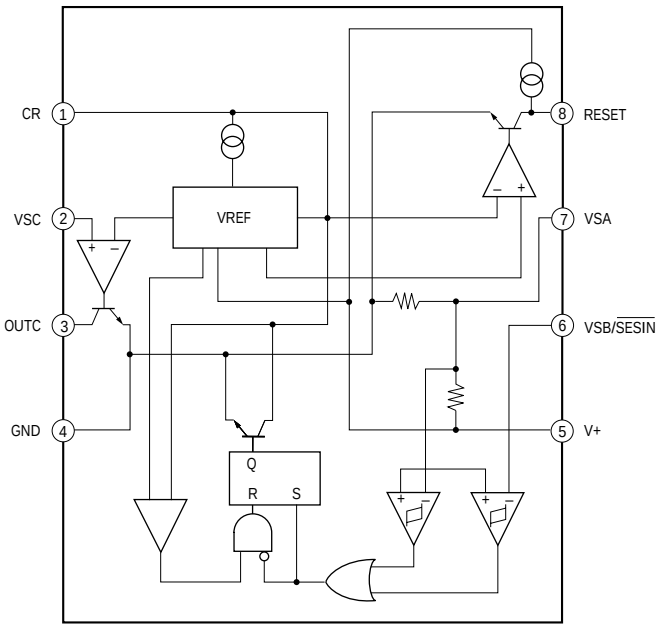
IC401 LC78212



IC701, 702 µPC2581V

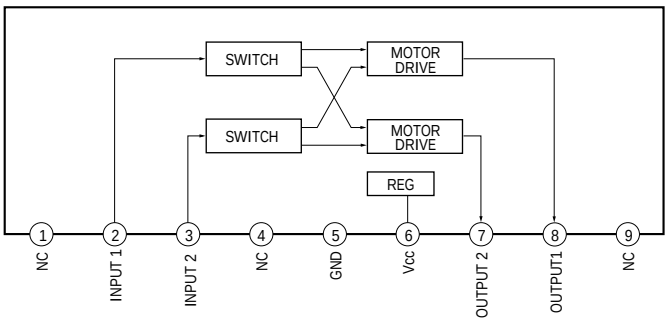


IC950 NJM2103D



– DISPLAY Board –

IC202 BA6208



4-15. IC PIN FUNCTION DESCRIPTION

• DISPLAY BOARD IC201 μPD78045FGF-082-3B9 (SYSTEM CONTROLLER, FL DRIVER)

Pin No.	Pin Name	I/O	Description
1 to 7	DIG7 to DIG1	O	Digit drive signal output to the fluorescent indicator tube (FL201)
8	VDD	—	Power supply terminal (+5V)
9	$\overline{\text{S.CLK}}$	O	Serial data transfer clock signal output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack "L" active
10	$\overline{\text{S.DATA}}$	O	Serial data output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack "L" active
11	$\overline{\text{PLL.DATA}}$	I	Serial data input from the PLL IC on FM/AM tuner pack "L" active
12	S.CE (LC7822)	O	Serial chip enable signal output to the LC78212 (IC401), PLL IC on FM/AM tuner pack "H" active
13	$\overline{\text{S.CE (LV1018)}}$	O	Serial chip enable signal output to the dolby surround pro-logic circuit (IC300, 301) "L" active
14	REAR-RLY	O	Speaker protect relay drive signal output for the rear side speaker "H": relay on Not used (open)
15	BRIDGE-RLY	O	Bridgeable relay drive signal output terminal "H": relay on
16	$\overline{\text{PROTECT}}$	I	Over load detect signal input from the protect circuit "L": protect detect
17	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC950, Q201) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
18	$\overline{\text{AUTO-STOP}}$	I	Tuned display detection signal input from the FM/AM tuner pack "L": tuned
19	$\overline{\text{STEREO-IN}}$	I	Stereo detection signal input from the FM/AM tuner pack "L": stereo
20	AVSS	—	Ground terminal (for A/D converter analog system)
21	SP-RLY	O	Speaker protect relay drive signal output for the front side speaker "H": relay on
22	SURR-RLY	O	Speaker protect relay drive signal output for the surround speaker "H": relay on
23	POWER-RLY	O	Relay drive signal output for the power on/off control "H": relay on
24	SIGNAL	I	FM and AM signal meter voltage detection signal input from the FM/AM tuner pack
25	A/D-4	I	Key input terminal (A/D input) S234 to S244 (SET UP, NAME, ENTER, +, –, EFFECT/ DELAY, CENTER, REAR, MODE +, SOUND FIELD ON/OFF, MODE –) keys input
26	A/D-3	I	Key input terminal (A/D input) S222 to S226, S220, S229 to S231 (BASS BOOST, MUTING, SHIFT, 0, MEMORY, CD, MD/TAPE, TV/LD, RDS PTY) keys input
27	A/D-2	I	Key input terminal (A/D input) S211 to S219, S227 (FM/AM, 6, 5, 4, 7, 8, 9, FM MODE, VIDEO, TUNER) keys input
28	A/D-1	I	Key input terminal (A/D input) S201 to S210 (DISPLAY, RDS EON, 3, 2, 1, TUNING –/+, PRESET/PTY SELECT –/+, DIRECT) keys input
29	AVDD	—	Power supply terminal (+5V) (for A/D converter analog system)
30	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
31	RDS DATA IN	I	RDS data input from the RDS decoder (IC1)
32	OPEN	—	Not used (open)
33	GND	—	Ground terminal
34	X1	I	Main system clock input terminal (4.19 MHz)
35	X2	O	Main system clock output terminal (4.19 MHz)
36	WOOFER-RLY	O	Relay drive signal output for the woofer speaker "H": relay on Not used (open)
37	LED SELECT	O	LED select signal output terminal "H" active
38	PROLOGIC LED	O	LED drive signal output terminal "H": LED on Not used (open)
39	C.STUDIO LED	O	LED drive signal output of the CINEMA (D231) indicator "H": LED on
40	HALL LED	O	LED drive signal output of the MUSIC (D232) indicator "H": LED on
41	ENTER LED	I	Not used (fixed at "L")
42	VOL DOWN	O	Motor drive signal (volume down direction) output to the volume motor drive (IC202) "H" active

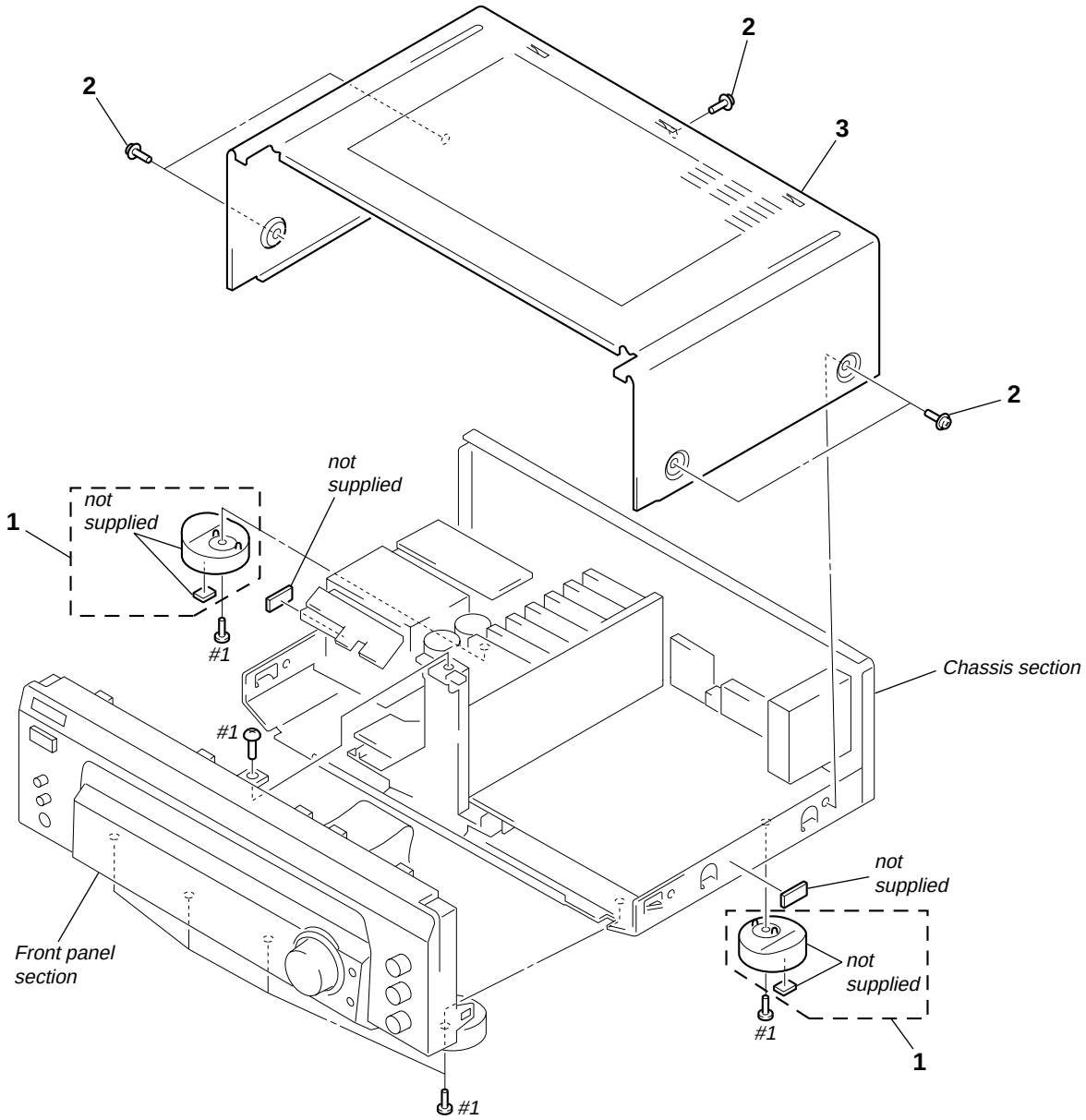
Pin No.	Pin Name	I/O	Description
43	VOL UP	O	Motor drive signal (volume up direction) output to the volume motor drive (IC202) "H" active
44	$\overline{\text{SYS-POWER}}$	I	Power on/off switch (S200 I/⏻) input terminal "L" is input when key pressing
45	TUNER-MUTE	O	Muting control signal output to the FM/AM tuner pack "H": muting on
46	RDS CLK IN	I	RDS serial clock signal input from the RDS decoder (IC1)
47	$\overline{\text{STOP}}$	I	Power down detection signal input from the reset signal generator (IC950) "L": power down, normally: "H"
48	VSS	—	Ground terminal
49	$\overline{\text{SIRCS}}$	I	Sircs remote control signal input from the remote control receiver (IC203)
50	MUTING LED	O	LED drive signal output of the MUTING indicator (D240) "L": LED on
51	5.1CH LED	O	LED drive signal output terminal "L": LED on Not used
52	VDD	—	Power supply terminal (+5V)
53	BASS BOOST	O	Control signal output of the BASS BOOST circuit and LED drive signal output of the BASS BOOST indicator (D228) "H": BASS BOOST on (LED on)
54	FUNC. MUTE	O	Audio line muting on/off control signal output terminal "H": muting on
55	IC. MUTE	O	Muting on/off control signal output terminal "H": muting on Not used (open)
56	VERSION	I	Setting terminal for the version
57	S2	O	Video input select signal output terminal Not used (pull down)
58	S1	O	Video input select signal output terminal Not used (pull down)
59	LED1	O	LED drive signal output of the CENTER (D233) and REAR (D237) indicators "H": LED on
60	LED2	O	LED drive signal output of the NAME (D235) and EFFECT/DELAY (D236) indicators "H": LED on
61	LED3	O	LED drive signal output of the SET UP (D234) indicator "H": LED on
62 to 70	S15 to S7	O	Segment drive signal output to the fluorescent indicator tube (FL201)
71	VLOAD	—	Negative power supply terminal for the fluorescent indicator tube drive (–24V)
72 to 77	S6 to S1	O	Segment drive signal output to the fluorescent indicator tube (FL201)
78 to 80	DIG10 to DIG8	O	Digit drive signal output to the fluorescent indicator tube (FL201)

SECTION 5
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

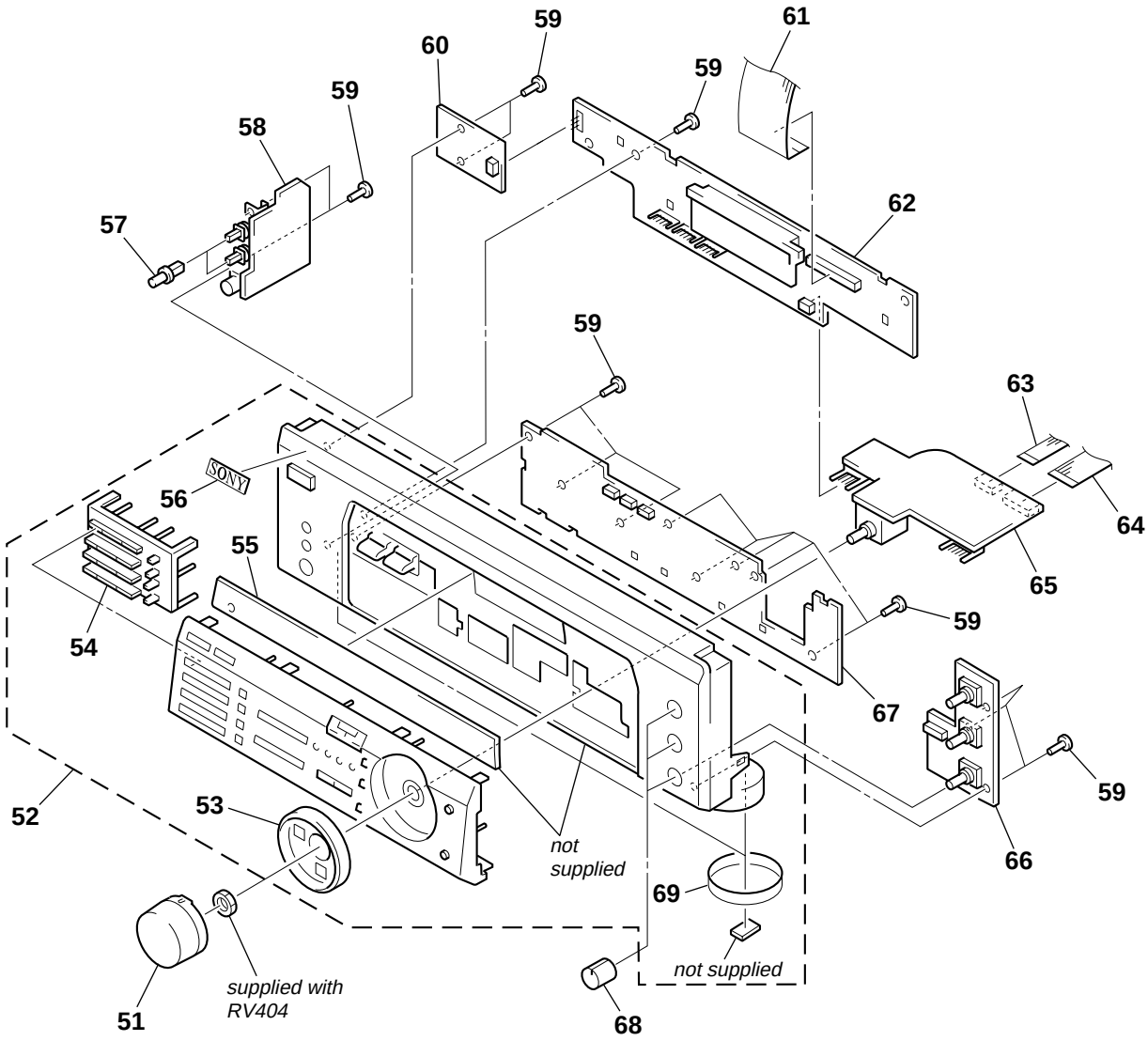
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1) CASE SECTION



Ref. No.	Part No.	Description	Remark
1	X-4947-207-1	FOOT ASSY (F50150S)	
2	4-210-291-01	SCREW (CASE 3 TP2)	
* 3	4-998-206-21	CASE (413226)	

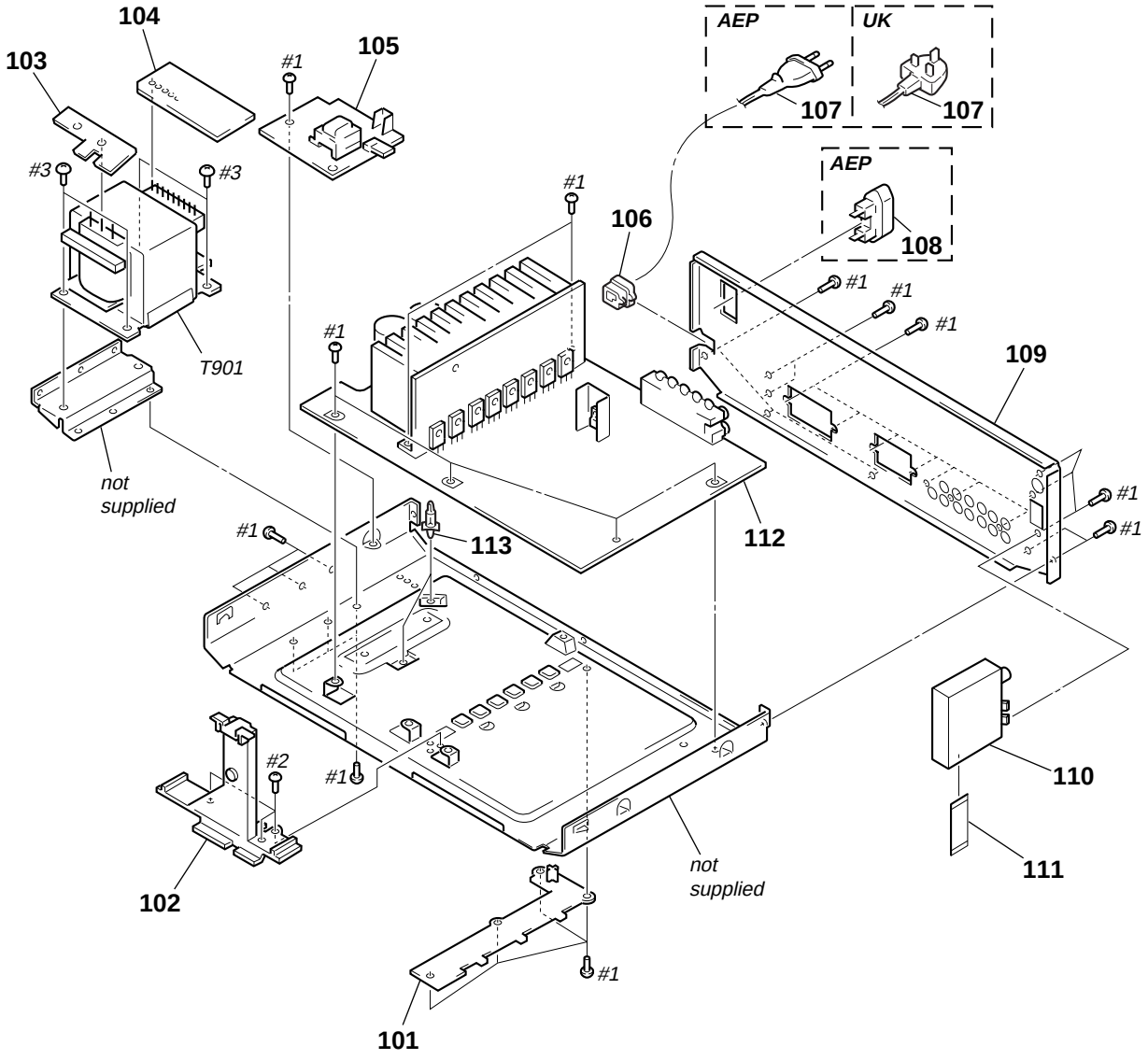
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-4951-035-1	KNOB (VOL) ASSY	
52	X-4951-037-1	FRONT PANEL ASSY	
53	4-216-792-01	RING (VOL)	
54	4-216-779-01	BUTTON (KEY)	
55	4-216-794-31	PLATE INDICATION	
56	4-996-698-01	EMBLEM, SONY	
57	4-951-801-01	BUTTON (S)	
58	1-673-045-11	SP SW BOARD	
59	4-951-620-01	SCREW (2.6X8), +BVTP	
60	1-673-051-11	POWER SWITCH BOARD	

Ref. No.	Part No.	Description	Remark
61	1-765-348-11	WIRE (FLAT TYPE) (27 CORE)	
62	A-4419-011-A	DISPLAY BOARD, COMPLETE	
63	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)	
64	1-769-941-11	WIRE (FLAT TYPE) (11 CORE)	
65	1-673-043-11	VOLUME BOARD	
66	1-673-044-11	TONE BOARD	
67	A-4419-013-A	KEY BOARD, COMPLETE	
68	4-998-717-01	KNOB (BAL)	
69	4-977-593-11	RING (DIA. 50), ORNAMENTAL	

(3) CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
101	4-217-872-11	BOTTOM COVER	
102	4-216-798-11	SUB (MOLD)	
103	1-673-050-11	PRIMARY BOARD	
104	1-673-049-11	SECONDARY BOARD	
105	1-673-048-11	STANDBY BOARD	
* 106	3-703-244-00	BUSHING (2104), CORD	
⚠107	1-777-071-21	CORD, POWER (AEP)	
⚠107	1-790-226-11	CORD, POWER (UK)	
⚠108	1-526-794-11	OUTLET, AC (AEP)	
109	4-216-800-01	BACK PANEL (E25) (AEP)	
109	4-216-800-21	BACK PANEL (E25) (UK)	
110	1-693-408-41	TUNER PACK	
111	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
112	A-4419-015-A	MAIN BOARD, COMPLETE	
113	4-924-098-01	HOLDER, PC BOARD	
114	4-956-370-12	BAND, PLUG FIXED (UK)	
⚠T901	1-433-719-11	TRANSFORMER, POWER	

SECTION 6
ELECTRICAL PARTS LIST

DISPLAY

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-4419-011-A	DISPLAY BOARD, COMPLETE			
		**********			
*	4-921-941-01	CUSHION (FL)			
*	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C201	1-104-905-11	CAPACITOR	0.22F		5.5V
C202	1-164-159-11	CERAMIC	0.1uF		50V
C203	1-124-465-00	ELECT	0.47uF	20%	50V
C204	1-164-159-11	CERAMIC	0.1uF		50V
C205	1-162-294-31	CERAMIC	0.001uF	10%	50V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C207	1-126-096-11	ELECT	10uF	20%	35V
C208	1-126-096-11	ELECT	10uF	20%	35V
		< CONNECTOR >			
* CNP203	1-573-107-11	CONNECTOR, PC BOARD (PLUG) 4P			
CNP206	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNP207	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNS201	1-569-327-11	SOCKET, CONNECTOR 27P			
CNS202	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
CNP205	1-785-821-11	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D201	8-719-991-33	DIODE 1SS133T-77			
D202	8-719-991-33	DIODE 1SS133T-77			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
D223	8-719-991-33	DIODE 1SS133T-77			
D225	8-719-991-33	DIODE 1SS133T-77			
D231	8-719-046-39	LED SEL5821A-TH15 (CINEMA)			
D232	8-719-046-39	LED SEL5821A-TH15 (MUSIC)			
		< FLUORESCENT INDICATOR TUBE >			
FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC201	8-759-577-78	IC uPD78045FGF-082-3B9			
IC202	8-759-962-08	IC BA6208			
IC203	8-759-332-18	IC GP1U27XB (REMOTE CONTROL RECEIVER)			

Ref. No.	Part No.	Description			Remark
		< COIL >			
L401	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q201	8-729-900-63	TRANSISTOR DTA124ES			
Q202	8-729-900-36	TRANSISTOR DTC124ES			
Q231	8-729-900-36	TRANSISTOR DTC124ES			
Q232	8-729-900-36	TRANSISTOR DTC124ES			
		< RESISTOR >			
R200	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-247-903-00	CARBON	1M	5%	1/4W
R202	1-249-429-11	CARBON	10K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-425-11	CARBON	4.7K	5%	1/4W
R205	1-249-441-11	CARBON	100K	5%	1/4W
R206	1-249-433-11	CARBON	22K	5%	1/4W
R207	1-249-433-11	CARBON	22K	5%	1/4W
R216	1-249-433-11	CARBON	22K	5%	1/4W
R221	1-247-807-31	CARBON	100	5%	1/4W
R222	1-247-807-31	CARBON	100	5%	1/4W
R223	1-247-807-31	CARBON	100	5%	1/4W
R224	1-247-807-31	CARBON	100	5%	1/4W
R225	1-247-807-31	CARBON	100	5%	1/4W
R226	1-249-421-11	CARBON	2.2K	5%	1/4W
R227	1-249-421-11	CARBON	2.2K	5%	1/4W
R231	1-249-406-11	CARBON	120	5%	1/4W
R232	1-249-406-11	CARBON	120	5%	1/4W
R275	1-247-807-31	CARBON	100	5%	1/4W
R287	1-249-427-11	CARBON	6.8K	5%	1/4W
R288	1-249-427-11	CARBON	6.8K	5%	1/4W
R289	1-249-437-11	CARBON	47K	5%	1/4W
R290	1-249-427-11	CARBON	6.8K	5%	1/4W
R291	1-249-427-11	CARBON	6.8K	5%	1/4W
⚠R298	1-249-386-11	CARBON	2.7	5%	1/4W F
⚠R299	1-249-386-11	CARBON	2.7	5%	1/4W F
R302	1-249-439-11	CARBON	68K	5%	1/4W
		< SWITCH >			
S201	1-762-196-21	SWITCH, TACT (DISPLAY)			

DISPLAY KEY

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X201	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)	
**********			
	A-4419-013-A	KEY BOARD, COMPLETE	
		**********	
		< CONNECTOR >	
CNS205	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P	
CNS206	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P	
CNS207	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D228	8-719-046-39	LED SEL5821A-TH15 (BASS BOOST)	
D233	8-719-046-39	LED SEL5821A-TH15 (CENTER)	
D234	8-719-046-39	LED SEL5821A-TH15 (SET UP)	
D235	8-719-046-39	LED SEL5821A-TH15 (NAME)	
D236	8-719-046-39	LED SEL5821A-TH15 (EFFECT/DELAY)	
D237	8-719-046-39	LED SEL5821A-TH15 (REAR)	
D240	8-719-046-39	LED SEL5821A-TH15 (MUTING)	
D241	8-719-911-19	DIODE 1SS119	
		< TRANSISTOR >	
Q233	8-729-900-36	TRANSISTOR DTC124ES	
Q234	8-729-900-36	TRANSISTOR DTC124ES	
Q235	8-729-900-36	TRANSISTOR DTC124ES	
Q236	8-729-900-36	TRANSISTOR DTC124ES	
Q237	8-729-900-63	TRANSISTOR DTA124ES	
Q239	8-729-900-36	TRANSISTOR DTC124ES	
Q241	8-729-900-63	TRANSISTOR DTA124ES	
Q242	8-729-900-36	TRANSISTOR DTC124ES	
		< RESISTOR >	

R228	1-249-406-11	CARBON	120	5%	1/4W
R233	1-249-406-11	CARBON	120	5%	1/4W
R234	1-249-406-11	CARBON	120	5%	1/4W
R235	1-249-406-11	CARBON	120	5%	1/4W
R236	1-249-406-11	CARBON	120	5%	1/4W
R237	1-249-406-11	CARBON	120	5%	1/4W
R240	1-249-406-11	CARBON	120	5%	1/4W
R248	1-249-411-11	CARBON	330	5%	1/4W
R249	1-249-413-11	CARBON	470	5%	1/4W
R250	1-249-415-11	CARBON	680	5%	1/4W
R251	1-249-417-11	CARBON	1K	5%	1/4W
R252	1-249-419-11	CARBON	1.5K	5%	1/4W
R253	1-249-421-11	CARBON	2.2K	5%	1/4W
R254	1-247-843-11	CARBON	3.3K	5%	1/4W
R255	1-249-425-11	CARBON	4.7K	5%	1/4W
R256	1-249-429-11	CARBON	10K	5%	1/4W
R257	1-249-411-11	CARBON	330	5%	1/4W
R258	1-249-413-11	CARBON	470	5%	1/4W
R259	1-249-415-11	CARBON	680	5%	1/4W
R260	1-249-417-11	CARBON	1K	5%	1/4W
R261	1-249-419-11	CARBON	1.5K	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W
R263	1-247-843-11	CARBON	3.3K	5%	1/4W
R264	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R265	1-249-429-11	CARBON	10K	5%	1/4W
R266	1-249-411-11	CARBON	330	5%	1/4W
R267	1-249-413-11	CARBON	470	5%	1/4W
R268	1-249-415-11	CARBON	680	5%	1/4W
R269	1-249-417-11	CARBON	1K	5%	1/4W
R270	1-249-419-11	CARBON	1.5K	5%	1/4W
R271	1-249-421-11	CARBON	2.2K	5%	1/4W
R272	1-247-843-11	CARBON	3.3K	5%	1/4W
R273	1-249-425-11	CARBON	4.7K	5%	1/4W
R277	1-249-411-11	CARBON	330	5%	1/4W
R278	1-249-413-11	CARBON	470	5%	1/4W
R279	1-249-415-11	CARBON	680	5%	1/4W
R280	1-249-417-11	CARBON	1K	5%	1/4W
R281	1-249-419-11	CARBON	1.5K	5%	1/4W
R282	1-249-421-11	CARBON	2.2K	5%	1/4W
R283	1-247-843-11	CARBON	3.3K	5%	1/4W
R284	1-249-425-11	CARBON	4.7K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W
R286	1-249-433-11	CARBON	22K	5%	1/4W

< SWITCH >

S202	1-762-196-21	SWITCH, TACT (RDS EON)
S203	1-762-196-21	SWITCH, TACT (3)
S204	1-762-196-21	SWITCH, TACT (2)
S205	1-762-196-21	SWITCH, TACT (1)
S206	1-762-196-21	SWITCH, TACT (TUNING –)
S207	1-762-196-21	SWITCH, TACT (TUNING +)
S208	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT –)
S209	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT +)
S210	1-762-196-21	SWITCH, TACT (DIRECT)
S211	1-762-196-21	SWITCH, TACT (FM/AM)
S212	1-762-196-21	SWITCH, TACT (6)
S213	1-762-196-21	SWITCH, TACT (5)
S214	1-762-196-21	SWITCH, TACT (4)
S215	1-762-196-21	SWITCH, TACT (7)
S216	1-762-196-21	SWITCH, TACT (8)
S217	1-762-196-21	SWITCH, TACT (9)
S218	1-762-196-21	SWITCH, TACT (FM MODE)
S219	1-762-196-21	SWITCH, TACT (VIDEO)
S220	1-762-196-21	SWITCH, TACT (CD)
S222	1-762-196-21	SWITCH, TACT (BASS BOOST)
S223	1-762-196-21	SWITCH, TACT (MUTING)
S224	1-762-196-21	SWITCH, TACT (SHIFT)
S225	1-762-196-21	SWITCH, TACT (0)
S226	1-762-196-21	SWITCH, TACT (MEMORY)
S227	1-762-196-21	SWITCH, TACT (TUNER)
S229	1-762-196-21	SWITCH, TACT (MD/TAPE)
S230	1-762-196-21	SWITCH, TACT (TV/LD)
S231	1-762-196-21	SWITCH, TACT (RDS PTY)
S234	1-762-196-21	SWITCH, TACT (SET UP)
S235	1-762-196-21	SWITCH, TACT (NAME)
S236	1-762-196-21	SWITCH, TACT (ENTER)
S237	1-762-196-21	SWITCH, TACT (+)
S238	1-762-196-21	SWITCH, TACT (–)
S239	1-762-196-21	SWITCH, TACT (EFFECT/DELAY)
S240	1-762-196-21	SWITCH, TACT (CENTER)
S241	1-762-196-21	SWITCH, TACT (REAR)
S242	1-762-196-21	SWITCH, TACT (SOUND FIELD + MODE)

Ref. No.	Part No.	Description			Remark
S243	1-762-196-21	SWITCH, TACT (SOUND FIELD ON/OFF)			
S244	1-762-196-21	SWITCH, TACT (SOUND FIELD – MODE)			
**********					
	A-4419-015-A	MAIN BOARD, COMPLETE			
		**********			
	3-905-609-01	SCREW (TRANSISTOR)			
	4-812-134-00	RIVET (DIA. 3.5), NYLON			
	7-685-872-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C3	1-162-288-31	CERAMIC	330PF	10%	50V
C4	1-126-961-11	ELECT	2.2uF	20%	50V
C5	1-164-159-11	CERAMIC	0.1uF		50V
C6	1-162-291-31	CERAMIC	560PF	10%	50V
C7	1-102-527-11	CERAMIC	82PF	5%	50V
C8	1-102-852-91	CERAMIC	47PF	5%	50V
C9	1-126-795-11	ELECT	10uF	20%	50V
C302	1-126-959-11	ELECT	0.47uF	20%	50V
C303	1-130-494-11	MYLAR	0.082uF	5%	50V
C304	1-137-367-11	FILM	0.0033uF	5%	50V
C305	1-130-494-11	MYLAR	0.082uF	5%	50V
C307	1-126-795-11	ELECT	10uF	20%	50V
C308	1-126-795-11	ELECT	10uF	20%	50V
C309	1-137-358-11	FILM	100PF	5%	50V
C310	1-126-795-11	ELECT	10uF	20%	50V
C312	1-126-934-11	ELECT	220uF	20%	10V
C313	1-124-252-00	ELECT	0.33uF	20%	50V
C314	1-136-165-00	FILM	0.1uF	5%	50V
C315	1-164-159-11	CERAMIC	0.1uF		50V
C316	1-126-961-11	ELECT	2.2uF	20%	50V
C319	1-102-951-00	CERAMIC	15PF	5%	50V
C320	1-102-852-91	CERAMIC	47PF	5%	50V
C322	1-126-795-11	ELECT	10uF	20%	50V
C323	1-126-925-11	ELECT	470uF	20%	10V
C324	1-126-934-11	ELECT	220uF	20%	10V
C325	1-136-165-00	FILM	0.1uF	5%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V
C327	1-126-959-11	ELECT	0.47uF	20%	50V
C328	1-126-963-11	ELECT	4.7uF	20%	50V
C329	1-126-959-11	ELECT	0.47uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C331	1-124-250-11	ELECT	0.15uF	20%	50V
C332	1-126-962-11	ELECT	3.3uF	20%	50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V
C334	1-137-372-11	FILM	0.022uF	5%	50V
C335	1-136-161-00	FILM	0.047uF	5%	50V
C336	1-126-959-11	ELECT	0.47uF	20%	50V
C337	1-126-795-11	ELECT	10uF	20%	50V
C338	1-126-795-11	ELECT	10uF	20%	50V
C339	1-126-795-11	ELECT	10uF	20%	50V
C340	1-126-795-11	ELECT	10uF	20%	50V
C341	1-126-925-11	ELECT	470uF	20%	10V
C342	1-126-962-11	ELECT	3.3uF	20%	50V
C343	1-126-962-11	ELECT	3.3uF	20%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V
C346	1-126-959-11	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description			Remark
C347	1-126-963-11	ELECT	4.7uF	20%	50V
C348	1-126-959-11	ELECT	0.47uF	20%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V
C350	1-124-250-11	ELECT	0.15uF	20%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V
C352	1-136-165-00	FILM	0.1uF	5%	50V
C353	1-137-358-11	FILM	100PF	5%	50V
C357	1-164-159-11	CERAMIC	0.1uF		50V
C358	1-126-963-11	ELECT	4.7uF	20%	50V
C359	1-126-963-11	ELECT	4.7uF	20%	50V
C361	1-164-159-11	CERAMIC	0.1F		50V
C362	1-164-159-11	CERAMIC	0.1F		50V
C363	1-164-159-11	CERAMIC	0.1F		50V
C365	1-164-159-11	CERAMIC	0.1F		50V
C367	1-137-358-11	FILM	100PF	5%	50V
C368	1-126-934-11	ELECT	220uF	20%	10V
C369	1-136-177-00	FILM	1uF	5%	50V
C370	1-136-357-11	FILM	680PF	5%	100V
C371	1-124-250-11	ELECT	0.15uF	20%	50V
C372	1-137-358-11	FILM	100PF	5%	50V
C376	1-136-177-00	FILM	1uF	5%	50V
C377	1-136-177-00	FILM	1uF	5%	50V
C378	1-102-518-11	CERAMIC	33PF	5%	50V
C379	1-136-165-00	FILM	0.1uF	5%	50V
C380	1-136-177-00	FILM	1uF	5%	50V
C381	1-136-165-00	FILM	0.1uF	5%	50V
C382	1-102-953-00	CERAMIC	18PF	5%	50V
C406	1-164-159-11	CERAMIC	0.1uF		50V
C412	1-162-291-31	CERAMIC	560PF	10%	50V
C413	1-164-159-11	CERAMIC	0.1uF		50V
C415	1-164-159-11	CERAMIC	0.1uF		50V
C416	1-164-159-11	CERAMIC	0.1uF		50V
C427	1-124-252-00	ELECT	0.33uF	20%	50V
C428	1-130-489-00	MYLAR	0.033uF	5%	50V
C429	1-102-973-00	CERAMIC	100PF	5%	50V
C434	1-162-286-31	CERAMIC	220PF	10%	50V
C435	1-162-286-31	CERAMIC	220PF	10%	50V
C447	1-164-159-11	CERAMIC	0.1uF		50V
C477	1-124-252-00	ELECT	0.33uF	20%	50V
C478	1-130-489-00	MYLAR	0.033uF	5%	50V
C479	1-102-973-00	CERAMIC	100PF	5%	50V
C492	1-124-464-11	ELECT	0.22uF	20%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-104-665-11	ELECT	100uF	20%	10V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C610	1-104-664-11	ELECT	47uF	20%	16V
C611	1-137-372-11	FILM	0.022uF	5%	50V
C620	1-162-286-31	CERAMIC	220PF	10%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-104-665-11	ELECT	100uF	20%	10V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C660	1-104-664-11	ELECT	47uF	20%	16V
C661	1-137-372-11	FILM	0.022uF	5%	50V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-104-665-11	ELECT	100uF	20%	10V
C704	1-104-664-11	ELECT	47uF	20%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-104-664-11	ELECT	47uF	20%	16V
C711	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-934-11	ELECT	220uF	20%	10V
C722	1-126-795-11	ELECT	10uF	20%	50V
C740	1-128-560-11	ELECT	22uF	20%	100V
C741	1-128-560-11	ELECT	22uF	20%	100V
C742	1-126-925-11	ELECT	470uF	20%	10V
C743	1-126-925-11	ELECT	470uF	20%	10V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-104-665-11	ELECT	100uF	20%	10V
C754	1-104-664-11	ELECT	47uF	20%	16V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-104-664-11	ELECT	47uF	20%	16V
C761	1-137-372-11	FILM	0.022uF	5%	50V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C801	1-104-664-11	ELECT	47uF	20%	25V
C802	1-104-664-11	ELECT	47uF	20%	25V
C803	1-128-493-11	ELECT	4700uF	20%	63V
C804	1-128-493-11	ELECT	4700uF	20%	63V
C805	1-130-781-00	MYLAR	0.22uF	5%	100V
C806	1-130-781-00	MYLAR	0.22uF	5%	100V
C807	1-104-661-91	ELECT	330uF	20%	16V
C808	1-104-661-91	ELECT	330uF	20%	16V
C809	1-126-960-11	ELECT	1uF	20%	50V
C810	1-126-960-11	ELECT	1uF	20%	50V
C811	1-126-943-11	ELECT	2200uF	20%	25V
C812	1-126-941-11	ELECT	470uF	20%	25V
C813	1-101-001-00	CERAMIC	0.001uF		50V
C814	1-101-001-00	CERAMIC	0.001uF		50V
C815	1-126-960-11	ELECT	1uF	20%	50V
C816	1-104-664-11	ELECT	47uF	20%	25V
C820	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-161-494-00	CERAMIC	0.022uF		25V
C822	1-104-664-11	ELECT	47uF	20%	25V
C825	1-126-960-11	ELECT	1uF	20%	50V
C826	1-104-664-11	ELECT	47uF	20%	25V
C827	1-126-960-11	ELECT	1uF	20%	50V
C950	1-126-767-11	ELECT	1000uF	20%	16V
C951	1-164-097-11	CERAMIC	0.022uF		50V
C952	1-126-960-11	ELECT	1uF	20%	50V
C953	1-124-464-11	ELECT	0.22uF	20%	50V
C954	1-126-096-11	ELECT	10uF	20%	35V
C955	1-164-159-11	CERAMIC	0.1uF		50V
C956	1-164-159-11	CERAMIC	0.1uF		50V
C957	1-164-159-11	CERAMIC	0.1uF		50V
C958	1-164-159-11	CERAMIC	0.1uF		50V
CC02	1-162-282-31	CERAMIC	100PF	10%	50V
CC03	1-162-282-31	CERAMIC	100PF	10%	50V
CC04	1-162-282-31	CERAMIC	100PF	10%	50V
CC05	1-162-282-31	CERAMIC	100PF	10%	50V
CC06	1-162-282-31	CERAMIC	100PF	10%	50V
CC07	1-162-282-31	CERAMIC	100PF	10%	50V
CC12	1-164-096-11	CERAMIC	0.01uF		50V
CC13	1-164-096-11	CERAMIC	0.01uF		50V
CC52	1-162-282-31	CERAMIC	100PF	10%	50V
CC53	1-162-282-31	CERAMIC	100PF	10%	50V
CC54	1-162-282-31	CERAMIC	100PF	10%	50V
CC55	1-162-282-31	CERAMIC	100PF	10%	50V
CC56	1-162-282-31	CERAMIC	100PF	10%	50V
CC57	1-162-282-31	CERAMIC	100PF	10%	50V
CC62	1-164-096-11	CERAMIC	0.01uF		50V
CC63	1-164-096-11	CERAMIC	0.01uF		50V

< CONNECTOR >

CNS204	1-569-327-11	SOCKET, CONNECTOR 27P
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P
CNS403	1-569-060-11	SOCKET, CONNECTOR 11P
CNS701	1-568-439-11	SOCKET, CONNECTOR 7P
CNS702	1-691-767-11	PLUG (MICRO CONNECTOR) 5P
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P

< DIODE >

D300	8-719-070-77	DIODE SVC201SPA-M1-AC
D311	8-719-911-19	DIODE 1SS119
D312	8-719-911-19	DIODE 1SS119
D421	8-719-911-19	DIODE 1SS119
D610	8-719-911-19	DIODE 1SS119
D710	8-719-911-19	DIODE 1SS119
D721	8-719-911-19	DIODE 1SS119
D722	8-719-911-19	DIODE 1SS119
D723	8-719-911-19	DIODE 1SS119
D724	8-719-911-19	DIODE 1SS119
D725	8-719-911-19	DIODE 1SS119
D726	8-719-911-19	DIODE 1SS119
D727	8-719-911-19	DIODE 1SS119
D728	8-719-911-19	DIODE 1SS119
D801	8-719-986-54	DIODE HZS24-1LTA
D802	8-719-302-38	DIODE RBV-602-01
D803	8-719-302-38	DIODE RBV-602-01
D804	8-719-109-85	DIODE RD5.1ES-B2
D810	8-719-024-99	DIODE 11ES2-NTA2B
D811	8-719-024-99	DIODE 11ES2-NTA2B
D812	8-719-024-99	DIODE 11ES2-NTA2B
D813	8-719-024-99	DIODE 11ES2-NTA2B
D814	8-719-911-19	DIODE 1SS119
D815	8-719-911-19	DIODE 1SS119
D818	8-719-911-19	DIODE 1SS119
D820	8-719-024-99	DIODE 11ES2-NTA2B
D821	8-719-024-99	DIODE 11ES2-NTA2B
D822	8-719-024-99	DIODE 11ES2-NTA2B
D823	8-719-024-99	DIODE 11ES2-NTA2B

< EARTH TERMINAL >

*	G200	1-537-738-21	TERMINAL, EARTH
*	G201	1-537-738-21	TERMINAL, EARTH
*	G202	1-537-738-21	TERMINAL, EARTH
*	G203	1-537-738-21	TERMINAL, EARTH

< IC >

IC1	8-759-541-48	IC BU1924
IC300	8-759-528-35	IC CXA8079S
IC301	8-759-579-62	IC CXA8039S (LV1018)

Ref. No.	Part No.	Description	Remark
IC302	8-759-636-74	IC M5218AP-22	
IC401	8-759-545-64	IC LC78212	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-604-39	IC M5F78M12	
IC802	8-759-604-45	IC M5F79M12	
IC803	8-759-604-35	IC M5F78M05L	
IC804	8-759-604-35	IC M5F78M05L	
IC805	8-759-604-38	IC M5F78M10	
IC950	8-759-333-83	IC NJM2103D	
		< JACK >	
J253	1-774-785-11	JACK, PIN 1P (MIX AUDIO OUT)	
J401	1-770-614-11	JACK, PIN 4P (CD IN, MD/TAPE REC OUT, MD/TAPE IN)	
J402	1-580-825-11	JACK, PIN 6P (TV/LD AUDIO IN, VIDEO AUDIO IN/OUT)	
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH	
L301	1-410-509-11	INDUCTOR 10uH	
L601	1-420-872-00	COIL, AIR-CORE	
L651	1-420-872-00	COIL, AIR-CORE	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR/IC >	
Q361	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q362	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q363	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q365	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q401	8-729-202-67	FET 2SK246-GR3	
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q451	8-729-202-67	FET 2SK246-GR3	
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q603	8-749-010-25	IC MN2488-OPY-M	
Q604	8-749-010-26	IC MP1620-OPY-M	
Q610	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q620	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q653	8-749-010-25	IC MN2488-OPY-M	
Q654	8-749-010-26	IC MP1620-OPY-M	
Q670	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q703	8-749-010-25	IC MN2488-OPY-M	
Q704	8-749-010-26	IC MP1620-OPY-M	
Q710	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q753	8-749-010-25	IC MN2488-OPY-M	
Q754	8-749-010-26	IC MP1620-OPY-M	
Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
Q802	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q809	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q951	8-729-026-68	TRANSISTOR 2SD2525 (TP)	
		< RESISTOR >	
R5	1-249-421-11	CARBON 2.2K 5% 1/4W	
R6	1-247-807-31	CARBON 100 5% 1/4W	
R7	1-247-807-31	CARBON 100 5% 1/4W	
R303	1-249-439-11	CARBON 68K 5% 1/4W	
R306	1-249-436-11	CARBON 39K 5% 1/4W	
R342	1-249-441-11	CARBON 100K 5% 1/4W	
R343	1-249-441-11	CARBON 100K 5% 1/4W	
R351	1-249-417-11	CARBON 1K 5% 1/4W	
R352	1-249-417-11	CARBON 1K 5% 1/4W	
R353	1-249-417-11	CARBON 1K 5% 1/4W	
R355	1-249-417-11	CARBON 1K 5% 1/4W	
R357	1-249-429-11	CARBON 10K 5% 1/4W	
R358	1-249-439-11	CARBON 68K 5% 1/4W	
R359	1-249-425-11	CARBON 4.7K 5% 1/4W	
R360	1-249-425-11	CARBON 4.7K 5% 1/4W	
R361	1-249-425-11	CARBON 4.7K 5% 1/4W	
R362	1-249-425-11	CARBON 4.7K 5% 1/4W	
R363	1-249-425-11	CARBON 4.7K 5% 1/4W	
R365	1-249-425-11	CARBON 4.7K 5% 1/4W	
R367	1-249-438-11	CARBON 56K 5% 1/4W	
R372	1-249-441-11	CARBON 100K 5% 1/4W	
R374	1-249-429-11	CARBON 10K 5% 1/4W	
R375	1-249-429-11	CARBON 10K 5% 1/4W	
R380	1-249-441-11	CARBON 100K 5% 1/4W	
R381	1-249-441-11	CARBON 100K 5% 1/4W	
R402	1-249-417-11	CARBON 1K 5% 1/4W	
R403	1-249-417-11	CARBON 1K 5% 1/4W	
R404	1-249-417-11	CARBON 1K 5% 1/4W	
R405	1-249-417-11	CARBON 1K 5% 1/4W	
R406	1-249-417-11	CARBON 1K 5% 1/4W	
R407	1-249-417-11	CARBON 1K 5% 1/4W	
R414	1-249-425-11	CARBON 4.7K 5% 1/4W	
R415	1-249-417-11	CARBON 1K 5% 1/4W	
R431	1-247-843-11	CARBON 3.3K 5% 1/4W	
R432	1-247-883-00	CARBON 150K 5% 1/4W	
R433	1-249-427-11	CARBON 6.8K 5% 1/4W	
R434	1-249-413-11	CARBON 470 5% 1/4W	
R435	1-249-418-11	CARBON 1.2K 5% 1/4W	
R438	1-249-441-11	CARBON 100K 5% 1/4W	
R441	1-249-441-11	CARBON 100K 5% 1/4W	
R442	1-249-418-11	CARBON 1.2K 5% 1/4W	
R443	1-249-418-11	CARBON 1.2K 5% 1/4W	
R444	1-247-903-00	CARBON 1M 5% 1/4W	
R447	1-249-436-11	CARBON 39K 5% 1/4W	
R448	1-249-436-11	CARBON 39K 5% 1/4W	
R449	1-249-433-11	CARBON 22K 5% 1/4W	
R452	1-249-417-11	CARBON 1K 5% 1/4W	
R453	1-249-417-11	CARBON 1K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description			Remark
R454	1-249-417-11	CARBON	1K	5%	1/4W
R455	1-249-417-11	CARBON	1K	5%	1/4W
R456	1-249-417-11	CARBON	1K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R464	1-247-903-00	CARBON	1M	5%	1/4W
R465	1-249-417-11	CARBON	1K	5%	1/4W
R469	1-247-903-00	CARBON	1M	5%	1/4W
R481	1-247-843-11	CARBON	3.3K	5%	1/4W
R482	1-247-883-00	CARBON	150K	5%	1/4W
R483	1-249-427-11	CARBON	6.8K	5%	1/4W
R484	1-249-413-11	CARBON	470	5%	1/4W
R491	1-249-441-11	CARBON	100K	5%	1/4W
R492	1-247-903-00	CARBON	1M	5%	1/4W
R494	1-247-903-00	CARBON	1M	5%	1/4W
R581	1-247-864-11	CARBON	24K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-415-11	CARBON	680	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
⚠R614	1-249-409-11	CARBON	220	5%	1/4W F
⚠R615	1-249-409-11	CARBON	220	5%	1/4W F
⚠R616	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R619	1-249-403-11	CARBON	68	5%	1/4W F
R620	1-249-419-11	CARBON	1.5K	5%	1/4W
R621	1-249-427-11	CARBON	6.8K	5%	1/4W
R622	1-249-431-11	CARBON	15K	5%	1/4W
R623	1-249-437-11	CARBON	47K	5%	1/4W
R630	1-249-426-11	CARBON	5.6K	5%	1/4W
R632	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R644	1-249-403-11	CARBON	68	5%	1/4W F
R651	1-249-417-11	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-415-11	CARBON	680	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
⚠R664	1-249-409-11	CARBON	220	5%	1/4W F
⚠R665	1-249-409-11	CARBON	220	5%	1/4W F
⚠R666	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W
R670	1-249-419-11	CARBON	1.5K	5%	1/4W
R671	1-249-427-11	CARBON	6.8K	5%	1/4W
R672	1-249-431-11	CARBON	15K	5%	1/4W
R673	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-247-830-11	CARBON	910	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W
R706	1-249-435-11	CARBON	33K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R707	1-249-435-11	CARBON	33K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W
⚠R714	1-249-409-11	CARBON	220	5%	1/4W F
⚠R715	1-249-409-11	CARBON	220	5%	1/4W F
⚠R716	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R719	1-249-403-11	CARBON	68	5%	1/4W F
R720	1-249-419-11	CARBON	1.5K	5%	1/4W
R721	1-249-427-11	CARBON	6.8K	5%	1/4W
R722	1-249-431-11	CARBON	15K	5%	1/4W
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-249-425-11	CARBON	4.7K	5%	1/4W
R725	1-249-427-11	CARBON	6.8K	5%	1/4W
R726	1-249-417-11	CARBON	1K	5%	1/4W
R727	1-249-427-11	CARBON	6.8K	5%	1/4W
R730	1-249-426-11	CARBON	5.6K	5%	1/4W
R731	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R732	1-249-393-11	CARBON	10	5%	1/4W F
⚠R733	1-249-393-11	CARBON	10	5%	1/4W F
R734	1-249-420-11	CARBON	1.8K	5%	1/4W
R738	1-247-864-11	CARBON	24K	5%	1/4W
R742	1-249-425-11	CARBON	4.7K	5%	1/4W
R743	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R744	1-249-403-11	CARBON	68	5%	1/4W F
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-247-830-11	CARBON	910	5%	1/4W
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-249-429-11	CARBON	10K	5%	1/4W
R756	1-249-435-11	CARBON	33K	5%	1/4W
R757	1-249-435-11	CARBON	33K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W
⚠R764	1-249-409-11	CARBON	220	5%	1/4W F
⚠R765	1-249-409-11	CARBON	220	5%	1/4W F
⚠R766	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
R768	1-249-389-11	CARBON	4.7	5%	1/4W
R770	1-249-419-11	CARBON	1.5K	5%	1/4W
R771	1-249-427-11	CARBON	6.8K	5%	1/4W
R772	1-249-431-11	CARBON	15K	5%	1/4W
R773	1-249-437-11	CARBON	47K	5%	1/4W
R788	1-247-864-11	CARBON	24K	5%	1/4W
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-249-427-11	CARBON	6.8K	5%	1/4W
R821	1-249-437-11	CARBON	47K	5%	1/4W
R822	1-249-425-11	CARBON	4.7K	5%	1/4W
R823	1-249-437-11	CARBON	47K	5%	1/4W
R824	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R830	1-249-403-11	CARBON	68	5%	1/4W F
⚠R831	1-249-403-11	CARBON	68	5%	1/4W F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W
R951	1-249-428-11	CARBON	8.2K	5%	1/4W
R952	1-249-422-11	CARBON	2.7K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
R953	1-249-433-11	CARBON	22K	5%	1/4W
R954	1-249-437-11	CARBON	47K	5%	1/4W
R955	1-249-429-11	CARBON	10K	5%	1/4W
R956	1-247-843-11	CARBON	3.3K	5%	1/4W
R957	1-249-417-11	CARBON	1K	5%	1/4W
R960	1-249-431-11	CARBON	15K	5%	1/4W
RR04	1-249-393-11	CARBON	10	5%	1/4W
RR05	1-249-393-11	CARBON	10	5%	1/4W
RR54	1-249-393-11	CARBON	10	5%	1/4W
RR55	1-249-393-11	CARBON	10	5%	1/4W
		< RELAY >			
RY601	1-515-921-11	RELAY (12V)			
RY701	1-515-921-11	RELAY (12V)			
RY801	1-755-013-11	RELAY			
		< TERMINAL >			
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P) (SPEAKERS CENTER/REAR)			
TM701	1-537-376-11	TERMINAL BOARD (SP) (SPEAKERS FRONT A/B)			
		< VIBRATOR >			
X1	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz)			
**********					
	1-673-051-11	POWER SWITCH BOARD **********			
		< CONNECTOR >			
CNS203	1-573-105-11	CONNECTOR, PC BOARD 4P			
		< SWITCH >			
S200	1-762-196-21	SWITCH, TACT (I/⏻)			
**********					
	1-673-050-11	PRIMARY BOARD **********			
	1-533-293-11	FUSE HOLDER			
		< FUSE >			
⚠F901	1-532-503-11	FUSE (T1.6AL/250V)			
**********					
	1-673-049-11	SECONDARY BOARD **********			
		< CONNECTOR >			
CNP801	1-691-773-11	PLUG (MICRO CONNECTOR) 11P			
		< RESISTOR >			
⚠R810	1-249-381-11	CARBON	1	5%	1/4W F
⚠R811	1-249-381-11	CARBON	1	5%	1/4W F
**********					

Ref. No.	Part No.	Description			Remark
	1-673-045-11	SP SW BOARD **********			
		< CONNECTOR >			
CNP703	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNP704	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< JACK >			
J741	1-750-733-11	JACK (LARGE TYPE) (PHONES)			
		< RESISTOR >			
R741	1-247-753-11	CARBON	1.2K	5%	1/2W
R742	1-247-753-11	CARBON	1.2K	5%	1/2W
R791	1-247-753-11	CARBON	1.2K	5%	1/2W
R792	1-247-753-11	CARBON	1.2K	5%	1/2W
		< SWITCH >			
S701	1-771-634-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B ON/OFF)			
**********					
	1-673-048-11	STANDBY BOARD **********			
	1-533-903-21	HOLDER, FUSE (AEP)			
		< AC OUTLET >			
⚠CNJ903	1-526-794-11	OUTLET, AC (AC OUTLET) (AEP)			
		< CONNECTOR >			
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
* CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P (AEP)			
		< DIODE >			
D816	8-719-911-19	DIODE 1SS119			
		< FUSE >			
⚠F902	1-532-464-51	FUSE (T2.5AL/250V) (AEP)			
		< RELAY >			
⚠RY901	1-755-276-11	RELAY, POWER			
		< TRANSFORMER >			
⚠T902	1-433-685-11	TRANSFORMER, POWER			
**********					
	1-673-044-11	TONE BOARD **********			
		< CAPACITOR >			
C421	1-137-440-11	FILM	0.018uF	5%	50V
C422	1-124-463-00	ELECT	0.1uF	20%	50V
C423	1-137-368-11	FILM	0.0047uF	5%	50V
C424	1-137-372-11	FILM	0.022uF	5%	50V
C471	1-137-440-11	FILM	0.018uF	5%	50V
C472	1-124-463-00	ELECT	0.1uF	20%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

TONE VOLUME

Ref. No.	Part No.	Description			Remark
C473	1-137-368-11	FILM	0.0047uF	5%	50V
C474	1-137-372-11	FILM	0.022uF	5%	50V
		< CONNECTOR >			
CNS404	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
		< RESISTOR >			
R420	1-249-415-11	CARBON	680	5%	1/4W
R421	1-249-431-11	CARBON	15K	5%	1/4W
R422	1-249-422-11	CARBON	2.7K	5%	1/4W
R423	1-247-903-00	CARBON	1M	5%	1/4W
R424	1-247-903-00	CARBON	1M	5%	1/4W
R470	1-249-415-11	CARBON	680	5%	1/4W
R471	1-249-431-11	CARBON	15K	5%	1/4W
R472	1-249-422-11	CARBON	2.7K	5%	1/4W
R473	1-247-903-00	CARBON	1M	5%	1/4W
R474	1-247-903-00	CARBON	1M	5%	1/4W
		< VARIABLE RESISTOR >			
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-238-965-21	RES, VAR, CARBON 100K/100K (BALANCE)			
**********					
	1-673-043-11	VOLUME BOARD			
		**********			
		< CAPACITOR >			
C420	1-162-207-31	CERAMIC	22PF	5%	50V
C425	1-126-795-11	ELECT	10uF	20%	25V
C426	1-126-795-11	ELECT	10uF	20%	25V
C430	1-104-942-11	ELECT	1uF	20%	50V
C431	1-104-942-11	ELECT	1uF	20%	50V
C440	1-126-163-11	ELECT	4.7uF	20%	50V
C441	1-126-163-11	ELECT	4.7uF	20%	50V
C442	1-126-163-11	ELECT	4.7uF	20%	50V
C443	1-126-163-11	ELECT	4.7uF	20%	50V
C470	1-162-207-31	CERAMIC	22PF	5%	50V
C475	1-126-795-11	ELECT	10uF	20%	25V
C476	1-126-795-11	ELECT	10uF	20%	25V
		< CONNECTOR >			
CNP202	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP404	1-770-390-11	PIN, CONNECTOR (PC BOARD) 6P			
CNS402	1-568-850-11	CONNECTOR, FFC 7P			
CNS403	1-784-733-11	CONNECTOR, FFC 11P			
		< IC >			
IC404	8-759-636-74	IC M5218AP-22			
		< RESISTOR >			
R425	1-249-429-11	CARBON	10K	5%	1/4W
R426	1-249-439-11	CARBON	68K	5%	1/4W
R427	1-249-417-11	CARBON	1K	5%	1/4W
R430	1-249-437-11	CARBON	47K	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-439-11	CARBON	68K	5%	1/4W
R477	1-249-417-11	CARBON	1K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R480	1-249-437-11	CARBON	47K	5%	1/4W
		< VARIABLE RESISTOR >			
RV404	1-225-768-11	RES, VAR, CARBON 100K/100X3 (MASTER VOLUME)			
**********					
		MISCELLANEOUS			
		**********			
61	1-765-348-11	WIRE (FLAT TYPE) (27 CORE)			
63	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)			
64	1-769-941-11	WIRE (FLAT TYPE) (11 CORE)			
⚠107	1-777-071-21	CORD, POWER (AEP)			
⚠107	1-790-226-11	CORD, POWER (UK)			
⚠108	1-526-794-11	OUTLET, AC (AEP)			
110	1-693-408-41	TUNER PACK			
111	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)			
⚠T901	1-433-719-11	TRANSFORMER, POWER			
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		**********			
		HARDWARE LIST			
		**********			
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
#2	7-685-871-01	SCREW +BVTT 3X6 (S)			
#3	7-685-881-09	SCREW +BVTT 4X8 (S)			
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		ACCESSORIES & PACKING MATERIALS			
		**********			
	1-418-294-11	COMMANDER, STANDARD (RM-U303)			
	1-475-042-11	ADAPTOR (SCART ADAPTOR)			
	1-501-374-11	ANTENNA, LOOP			
	1-501-594-11	ANTENNA (FM)			
	3-866-249-11	INSTRUCTION MANUAL (ENGLISH, FRENCH, DUTCH, DANISH, SWEDISH)			
	3-866-249-21	INSTRUCTION MANUAL (GERMAN, SPANISH, ITALIAN, PORTUGUESE, FINNISH) (AEP)			
	4-861-643-01	COVER, BATTERY (FOR RM-U303)			

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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